# CITY WIDE HOME INSPECTORS

# PRE-LISTING HOME INSPECTION REPORT



## 1 Lindenshire, Vaughan, Ontario

Report Number: 21110458

Inspection Date: 2021-11-21

**Prepared by: City Wide Home Inspectors** 

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November 22, 2021

Inspection Address: 1 Lindenshire, Vaughan, Ontario

Report Number: 21110458

At your request, an inspection of the above property was performed on 2021-11-21. **City Wide Home Inspectors** is pleased to submit the enclosed report. This report is a professional opinion based on a visual inspection of the accessible components of the home. This report is not an exhaustive technical evaluation. An evaluation of this nature would cost many times more.

Please understand that there are limitations to this inspection. Many components of the home are not visible during the inspection and very little historical information is provided in advance of the inspection. While we can reduce your risk of purchasing a home, we cannot eliminate it, nor can we assume it. Even the most comprehensive inspection cannot be expected to reveal every condition you may consider significant to ownership. In addition to those improvements recommended in our report, we recommend that you budget for unexpected repairs. On average, we have found that setting aside roughly one percent of the value of the home on an annual basis is sufficient to cover unexpected repairs.

The Standards of Practice prohibits us from making any repairs or referring any contractors. We are not associated with any other party to the transaction of this property, except as may be disclosed to you.

The information provided in this report is solely for your use. **City Wide Home Inspectors** will not release a copy of this report without your written consent.

Thank you for selecting our company. We appreciate the opportunity to be of service. Should you have any questions about the general condition of the house in the future, we would be happy to answer these. There is no fee for this telephone or email consulting. Our fees are based on a single visit to the property. If additional visits are required for any reason, additional fees may be assessed.

Sincerely,

Michael Fournier, Owner City Wide Home Inspectors Certified Master Inspector, CMI Certified Mould Inspector, IAC2

Certified Commercial Property Inspector, CCPI Certified Infrared Camera Property Inspector, CICPI

## **BUILDING DATA**

## **BUILDING DATA**

Approximate Age: 15 to 20 yrs

Building Type: Freehold Townhouse

Building Style: Two Story General Appearance: Satisfactory

Main Entrance Faces: For the sake of this report South

Weather Condition: Cloudy
Temperature: 0 to 10 C
Ground cover: Dry
Occupancy: Occupied

## REPORT LIMITATIONS

This report is intended only as a general guide to help the client make his own evaluation of the overall condition of the home, and is not intended to reflect the value of the premises, nor make any representation as to the advisability of purchase. The report expresses the personal opinions of the inspector, based upon his visual impressions of the conditions that existed at the time of the inspection only. The inspection and report are not intended to be technically exhaustive, or to imply that every component was inspected, or that every possible defect was discovered. No disassembly of equipment, opening of walls, moving of furniture, appliances or stored items, or excavation was performed. This inspection is a limited visual examination of the readily accessible systems and components of the home only.

This inspection is conducted in compliance with the standards of practice of the International Association of Certified Home Inspectors (Inter-NACHI), a copy of which is available at www.citywidehomeinspectors.com/sop.

Systems and conditions which are not within the scope of the building inspection include, but are not limited to: pools spas or their related equipment, formaldehyde, lead paint, asbestos, toxic or flammable materials, and other environmental hazards; pest infestation, playground equipment, efficiency measurement of insulation or heating and cooling equipment, internal or underground drainage or plumbing, any systems which are shut down or otherwise secured; water wells (water quality and quantity) zoning ordinances; intercom; security systems; heat sensors; central vacuum systems, cosmetics or building code conformity. Any general comments about these systems and conditions are informational only and are not within the scope of this inspection.

The inspection report should not be construed as a compliance inspection of any governmental or non-governmental codes or regulations. The report is not intended to be a warranty or guarantee of the present or future adequacy or performance of the structure, its systems, or their component parts. This report does not constitute any express or implied warranty of merchantability or fitness for use regarding the condition of the property and it should not be relied upon as such. Any opinions expressed regarding adequacy, capacity, or expected life of components are general estimates based on information about similar components and occasional wide variations are to be expected between such estimates and actual experience. We recommend that any deficiencies noted in this report be repaired or corrected after consultation with reputable qualified contractors. It is suggested that more than one quote be obtained before commencing with repairs.

The sellers' property information sheet (SPIS) may be referred to in this document. This item is a statement that is often completed by the seller regarding the condition of the subject property. The buyer is urged to obtain and review this document, if available, as it contains crucial information. Photographs, taken at the time of this inspection, are to be considered part of this inspection report.

We certify that our inspectors have no interest, present or contemplated, in this property or its improvement and no involvement with tradespeople or benefits derived from any sales or improvements. To the best of our knowledge and belief, all statements and information in this report are true and correct.

We assume no liability for the cost of repair or replacement of unreported defects or deficiencies either current or arising in the future. You agree that in all cases our liability shall be limited to liquidated damages in an amount not greater than the fee you paid us. You waive any claim for consequential, exemplary, special or incidental damages or for the loss of the use of the home/building. You acknowledge that the liquidated damages are not a penalty, but that we intend them to (i) reflect the fact that actual damages may be difficult and impractical to ascertain; (ii) allocate risk between us; and (iii) enable us to perform the inspection for the agreed upon fee.

Should any disagreement or dispute arise as a result of this inspection or report, it shall be decided by arbitration and shall be submitted for binding, non-appealable arbitration unless the parties mutually agree otherwise. In the event of a claim, the Client will allow City Wide Home Inspectors to inspect the claim prior to any repairs or waive the right to make the claim. Client agrees not to disturb or repair or have repaired anything which may constitute evidence relating to the complaint, except in the case of an emergency.

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#### ITEMS NOT OPERATING

None

#### **MAJOR CONCERNS**

None

#### POTENTIAL SAFETY HAZARDS

Handyman extension cord wiring used in the backyard with the wrong type of wire No auto closer on garage entry door

#### **DEFERRED COST ITEMS**

Items that have reached or are reaching their normal life expectancy or show indications that they may require repair or replacement anytime during the next five (5) years.

Furnace older than 13 yrs A/C unit older than 13 years

#### **DEFINITIONS**

**SATISFACTORY** (Sat.) - Indicates the component is functionally consistent with its original purpose but may show signs of normal wear and tear and deterioration.

MARGINAL(Marg.) - Indicates the component will probably require repair or replacement anytime within five years.

**POOR** - Indicates the component will need repair or replacement now or in the very near future.

MAJOR CONCERNS - A system or component that is considered significantly deficient or is unsafe.

**SAFETY HAZARD** - Denotes a condition that is unsafe and in need of prompt attention.

<sup>\*</sup> Items listed in this report may inadvertently have been left off the Summary Sheet. Customer should read the entire report, including the Remarks.

## **GROUNDS**

		01100			
Service Walks		✓ None		☐ Public sidew	alk needs repair
	☐ Concrete	☐ Flagstone		☐ Brick	☐ Other
Condition:	☐ Satisfactory	☐ Marginal		□ Poor	☐ Trip Hazard
	☐ Pitched towards hom	e ☐ Settling crac	ks	☐ Not visible	_
Driveway		□ None			
Directiay	☐ Concrete	☑ Asphalt		☐ Gravel	☐ Other
Condition:	☑ Satisfactory	☐ Marginal		□ Poor	☐ Trip hazard
Condition.	☐ Fill cracks and seal	☐ Pitched towa	rds home	☐ Settling cracks	
	I in cracks and scar		irds nome	Betting cracks	THOU VISIBLE
Patio/Lanai		□ None			
~		Flagstone	☑ Brick	☐ Kool-Dec	
Condition:	☑ Satisfactory	☐ Marginal		Poor	☐ Trip Hazard
	☐ Pitched towards hom	e (See Remarks p	age)	☐ Settling cracks	s □ Not visible
Deck		□ None	☑ Wood	☐ Other	
	☐ Treated	☑ Painted/Stain	ned	☐ Railing/balus	ters recommended
Condition:	☑ Satisfactory	☐ Marginal		□ Poor	☐ Not visible
Deck/Patio/Por	ch Covers	☑ None	□ Earth	to wood contact	☐ Moisture/insect damage
Lacks:	☐ Metal straps/bolts/na	ils		er attachment to h	9
Porch (covered	antranaa)	☑ None			ısters recommended
Support Pier:	□ Wood	☐ Concrete		□ Other	□ Not visible
Condition:	☐ Satisfactory	☐ Marginal		□ Poor	□ Not visible
Floor:	☐ Satisfactory	☐ Marginal		□ Poor	☐ Safety Hazard
	<u> </u>				
Balcony (2nd fl		☑ None ☐ Wood			☐ Other
Railing:	☐ Yes	□ No			ters recommended
Condition:	☐ Satisfactory	☐ Marginal		□ Poor	☐ Safety Hazard
Stoops/Steps		□ None		☐ Uneven riser	s
	☑ Concrete	□ Wood		☐ Other	☐ Railing recommended
Condition:	☑ Satisfactory	☐ Marginal		□ Poor	☐ Recommend baluster
	☐ Cracked	☐ Settled		☐ Damaged woo	od
Fencing		□ None		☐ Type:	✓ Not evaluated
				— -JF	_ :::::::::::::::::::::::::::::::::::::
Landscaping Af	fecting Foundation	(See Remarks pa	age)		
Negative grade at:	□ East □ West	□ North □ S	outh	☑ Satisfactory	
	☐ Recommend addition	al backfill		☐ Recommend v	window wells/covers
	☐ Trim back trees/shrul			☐ Wood in conta	act/too close to soil
	☐ Yard drains observed	- not tested		□ N/A	
Retaining Wall:	<u> </u>	□Yes		☑ No	
	☐ Concrete	□ Wood		☐ Other	☐ Safety Hazard
Visual Condition:		☐ Marginal		□ Poor	in surety muzure
	- J				□ No onti cielt1
Hose Bibs	□ Yes	☑ Yes □ No		☐ No ☐ Not tested	☐ No anti-siphon valve ☐ Not on
Operates:		ш 110		in thou tested	LI NOLOII
General Comm	ents				

Fencing is not part of a home inspection. General site drainage was properly sloping away from the house. Maintain a positive drainage slope away from the foundation.

## **ROOF COVERING**

General Information					
Roof Visibility	All				
	T =				
Inspected From	Ground with bine	oculars			
Style of Roof					
Type: Combination: ☐ Gable	」 ☑ Hip □	Mansard	□ Shed □ F	Flat ☐ Other	
Pitch: Combination: □ Low		1 Steep	☐ Flat		
Roof Covering					
Type: Asphalt Estimated Lay	ers: 1 layer	Approxi	mate age of cover:	1 yr	
Ventilation System					
Combination:	☐ Ridge		☐ Gable	☑ Roof	
☐ Powered	☐ Eaves		☐ Other		
Flashing Material					
Combination:	☐ Asphalt	☐ Lead	d □ Rubb	er □ Not visi	ble
□ Copper	☐ Other				
Valley Material					
Combination:   Galv./Aluminum	☑ Asphalt		☐ Copper	□ N/A	
☐ Not visible	☐ Other				
Apparent Condition of the Following a					only)
Roof Covering	☑ Satisfactor	У	☐ Marginal	☐ Poor	
Condition: ☐ Curling ☐ Moss Buildup	☐ Cupping	_	☐ Missing tabs/sh	•	
	☐ Nail Popping	g			
☐ Exposed Felt	□ Other	_	☐ Ponding	□ Burn Sp	ots
☐ Exposed Felt	Other			⊔ Burn Sp	ots
☐ Exposed Felt  Ventilation	☐ Other  (See Remark	s page)	(See Attic page)	⊔ Burn Sp	ots
<u> </u>			(See Attic page)		ots
Ventilation	(See Remark	e 🗹 Sa	(See Attic page)	Marginal □ F	
Ventilation  Flashings  □ Rusted  Valleys	(See Remark  ☐ Not visible	e ☑ Sa d Sealing	(See Attic page)  atisfactory   Pulled away fro  Marginal	Marginal □ F	
Ventilation  Flashings  Rusted  Valleys	(See Remark   □ Not visible   □ Recommend   ☑ Satisfactor   □ N/A	e ☑ Sad Sealing	(See Attic page) atisfactory	Marginal ☐ Form chimney/roof	
Ventilation  Flashings  □ Rusted  Valleys	(See Remark   □ Not visible   □ Recommend   ☑ Satisfactor	e ☑ Sad Sealing	(See Attic page)  atisfactory   Pulled away fro  Marginal	Marginal ☐ Form chimney/roof	
Ventilation  Flashings  Rusted  Valleys	(See Remark   □ Not visible   □ Recommend   □ Satisfactor   □ N/A   □ Recommend	e ☑ Sad Sealing	(See Attic page)  atisfactory   Pulled away fro  Marginal	Marginal ☐ Foor	
Ventilation  Flashings  Rusted  Valleys  Not visible Holes  Skylights	See Remark   Not visible   Recommend   Satisfactor   N/A   Recommend   Yes	e	(See Attic page)  atisfactory  Pulled away fro Marginal Rusted  Satisfactory	Marginal ☐ Fom chimney/roof ☐ Poor ☐ Marginal ☐	Poor
Ventilation  Flashings  Rusted  Valleys  Not visible Holes	See Remark   Not visible   Recommend   Satisfactor   N/A   Recommend   Yes	d Sealing  y d Sealing	(See Attic page) atisfactory □ □ Pulled away fro □ Marginal □ Rusted	Marginal ☐ Fom chimney/roof ☐ Poor ☐ Marginal ☐	Poor

Roof covering appeared in overall satisfactory condition at the time of the inspection.

## **CHIMNEY / GUTTERS / SIDING / TRIM**

		- /					
Chimney(s)			✓ None	Location	(s):		
Viewed from:	□ Roof		☐ Ladder at	eaves	☐ Gro	ound w/binocula	
Chase:	□ Brick □ S	Stone	☐ Metal	☐ Fran	ned	☐ Blocks	☐ Stucco
	Evidence of:	☐ Cra	cked chimney	cap 🗆 Loos	se morta	ır joints	☐ Loose brick
		☐ Hol	les in metal	☐ Rust	t	☐ Flaking	
Flue:	☐ Tile	□ Me	tal	☐ Unlined		☐ Not visible	
	Evidence of:	☐ Sca	ling	☐ Cracks		☐ Creosote	
□ Ha			ve flue(s) cleaned				l (See Remarks page)
☐ Recommend c	ricket/saddle flash	ning		☐ Spark arr	restor/ra	in cap recommen	nded
Gutters & Dow	nspouts		□ None	(See Rer	narks p	age)	
☐ Insides need to	be cleaned		☐ Ponding				
	☑ Galvanized/Al	lum.	☐ Copper		□ Vir	ıyl	☐ Other
Condition:	☑ Satisfactory		☐ Marginal		□ Poo		☐ Rusting
	☐ Hole in main i	run		Leaking:	☐ Coı	rners	☐ Joints
Extension needed:	□ North		☐ South		□ Eas	st	□ West
Siding							
Material:	Brick						
Condition:	☑ Satisfactory		☐ Marginal	☐ Poor	r	□ Recommend	l repair/painting
Window Frame	es						
Material:	Vinyl	<u>.</u>					
Condition:	☑ Satisfactory		□ Marginal		□ Poo	or	
	☐ Recommend p	ainting	3	☐ Dan	naged w	rood	
Trim, Soffit, Fa	ascia						
Trim Material:	Metal		Condition: S	Satisfactory			
Soffit Material:	Metal		Condition: S	Satisfactory			
Fascia Material:	Metal		Condition: S	Satisfactory			
Caulking							
Condition:	☑ Satisfactory		☐ Marginal		□ Poo	or	
	☐ Recommend a	round		/masonry led	ges/corn	ers/utility penet	rations
General Comm	nents						

Gutters were in overall adequate condition. Siding appeared to be in overall adequate condition. Trim appeared to be intact and in overall maintained condition.

## **EXTERIOR / ELECTRICAL / AC / GARAGE**

E-4	4 4							
Exterior Wall C Construction Style		7 Sotief	octory $\square$	Marginal	□ Door			
	. Wood frame	J Sausi	-					
Exterior Doors			☑ Entr	rance (1);		; Patio (3)		
Weather stripping:			☐ Marg	inal		l Poor		
Condition:	☑ Satisfactory		☐ Marg	inal		l Poor		
Exterior Electri	cal Service							
	☐ Overhead	☑ Uno	lerground	Servio	ce drop:	☐ Satisfa	actory	☐ Needs service
Exterior outlets:	☑ Yes	□ No	Ü	Opera		✓ Yes	•	□ No
GFCI protected:	☑ Yes	□ No		 Opera	ıte:	✓ Yes		□ No
Reverse polarity:	□ Yes	☑ No		Open	ground:	☐ Yes		☑ No
Overhead wires:	□ Low □	Less th	an 1 meter			window $\square$ Ex	xtension	cord/exposed Romex
<b>Potential safety</b>	hazard:	□ Yes		☑ No	(8	See Remarks 1	page)	•
A/C Condenser/	Heat Pump		□ None	Approxi	mate age:	15 to 20 yrs		
#1 Brand: Goods	man							Shutoff: Yes
Condition:	☑ Satisfactory	□ Ma	rginal	□ Poor	□ Rus	sted/dirty	Level: E	☑ Yes □ No
Garage								
Garage Type:	Attached		ge Size: Si					
Automatic open		Opera	tional: Ye					
Safety reverse: I		□ No				✓ Needs adj		□Safety Hazard
<b>Electric sensor:</b>	Present: ☑ Yes	□ No		s: 🗹 Yes	□ No	☐ Too low		☐Safety Hazard
Floor:	☑ Concrete		☐ Grave	el		l Asphalt		☐ Dirt
	Burners less than	45 cm a	bove garage	e floor:	ĭN/A □	l Yes □ l	No 🗆 S	Safety hazard
	Condition:	✓ Sati	sfactory	$\Box$ Ty	pical crac	ks 🗆 Large		cracks
Overhead door:	□ Wood	☐ Fib			sonite	☑ Metal		☐ Other
	Condition:		sfactory		rginal	☐ Poor	□ Rep	pair, replace, paint
Service door:	☑ Satisfactory	☐ Mai		□ Poo	or	☐ None		
Sill plates:	☐ Elevated	☐ Flo	or level	□ Bo		☑ Not vi	sible	☐ Rotted
<b>Electricity prese</b>	nt: ☑ Yes	□ No	GFCI P	rotected:	☐ Yes	☑ No C	Operates:	☑ Yes □ No
	Reverse polarity/o			es 🗆 Saf		rd ☑ No	☐ Hand	lyman/ext. cord wiring
Firewall:	(Between garage			□ N/A	✓	l Present	☐ Miss	ing
Fire door:	☐ Not verifiable	□ Not	a fire door	: □ Ne	eds repair		actory	
Auto closure:	□ N/A	☐ Sati	sfactory		□ Inop	erative 🗹 1	Missing	☐ Needs repair
Canaral Camm	anta	1						

#### General Comments

Doors were reviewed and found to be in working order. Lights appeared to be in normal condition: not all lights were tested. Exterior outlets tested were in normal working order. Handyman extension cord wiring installed for the deck lights, but the wrong type of wire was used, recommend review and corrected as necessary. An auto closer is required for the garage entry door for safety.

### **KITCHEN**

Convertentence		1	<b>- - - - - - - - - -</b>			r · 1		
Countertops			☑ Satis	factory	$\sqcup N$	Iarginal	☐ Poor	
Cabinets								
Condition:	☑ Satisfactory		☐ Margii	nal	□ Poo	or 🗆 <b>Rec</b> e	ommend r	epairs
Plumbing Con	monte							
Faucet leaks:	□ Yes	☑ No		Pipes leak/corro	nded:	□ Yes	☑ No	
Drainage:	☑ Adequate		or	Water pressure:		☑ Adequate	□ Poor	
Walls & Ceiling		1						
Condition	<ul><li>✓ Satisfactory</li></ul>	□ Ma	rginal	□ Poor		☐ Typical cracks	☐ Moistu	ire stains
	<u> </u>							
Heat Source P	resent		☑ Yes	□ No				
Floor								
Condition	☑ Satisfactory	□ Ma	rginal	□ Poor		☐ Sloping	☐ Squeal	ks
Appliances			(See Re	marks page)				
Dishwasher:	☑ Yes	□ No	(bee Re	Operates:		☑ Yes	□ No	□ N/A
Range:	✓ Yes	□ No		Operates:		✓ Yes	□ No	□ N/A
Oven:	✓ Yes			Operates:		✓ Yes	□ No	□ N/A
Exhaust fan:	✓ Yes	□ No		Operates:		✓ Yes	□ No	□ N/A
Refrigerator:	✓ Yes	□ No		Operates:		✓ Yes	□ No	□ N/A
Other:	☐ Yes	□ No		•		□ Yes	□ No	□ N/A
	□ ies			Operates:		□ ies	□ N0	□ N/A
Electrical								
Outlets present:	☑ Yes	□ No		Operates:		☑ Yes	□ No	
GFCI protected:		□ No		Operates:		☑ Yes	$\square$ No ( <b>R</b>	emarks)
Open ground/rev	erse polarity with	in 1 met	er of water:	□ Yes □ S	Safety H	lazard ☑ No		
General Comn	nents:							
the same time. T	There were no visi	ble activ	e piping lea	ks at the time of	the ins	ormal with several in pection. Drain line is had correct polarite	s had no vi	sible leaks
			LA	UNDRY	7			
Room Compo			<u> </u>					
Laundry sink:	□ N/A		leaks:	□ Yes 5	☑ No	Pipe leaks:	☐ Yes	☑ No
Cross connection	ıs: ☐ Yes	✓ Nor	ne apparent	Heat source	present	: <b>☑</b> Yes	□ No	
Room appears ve	ented:	□ No		☑ Window				
Dryer vented:	□ N/A		☑ Wall	☐ Ceiling		☐ Not vented		
	ground/reverse pol	arity with	nin 1 meter of		es 🗆 S	Safety Hazard	☑ No	
Appliances prese			☑ Dryer	☐ Water he		☐ Furnace	☐ Other	
Gas pipe:	✓ N/A		shutoff:		∃ No	☐ Cap Needed	□ Safety	Hazard
						= cup 1.00000	_ = ======	
General Comn	nents							

At the time of the inspection the laundry facilities were in satisfactory condition.

## **BATHROOMS**

Deth. Master D	10 alua o 110					
Bath: Master B			<b>-</b>		D	
Sinks	Faucet leaks:	□ Yes	☑ No		Pipes leak:	☐ Yes ☑ No
Showers	Faucet leaks:	□ Yes	☑ No		Pipes leak:	☐ Yes ☑ No
Toilet:	Bowl loose	☐ Yes	☑ No		□ No □ Cracked b	
Shower area:	☑ Ceramic/Plasti		☐ Fibergl		☐ Masonite	Other
	Condition:	☑ Satisfac		☐ Marginal	□ Poor	☐ Rotted floors
	Caulk/Grouting n	eeded:	☐ Yes	☑ No	Where:	
Drainage:	☑ Satisfactory		☐ Margin		Poor	
Water flow:	☑ Satisfactory		☐ Margin		□ Poor	
Moisture stains p		□ Walls				
Outlets present:				ted: ☑ Yes □ No		es □ No
	Open ground/reve				☐ Yes   ☑ No	
	Potential safety		esent:	,	e Remarks page)	
Heat source prese		Yes		□ No		
Exhaust fan:			)perates:	☑ Yes	□ No □ Noisy	,
Windows:				glass □ None □ Ev		
Door:	$\square$ Sat. $\square$ Marg.	□ Poor □	☐ Holes ☐	Does not latch ☐ H	Iardware broken 🛚	None
General Comm	nents					
noted.						
Bath: Second	iloor					
Sinks	Faucet leaks:	☐ Yes	☑ No		Pipes leak:	☐ Yes ☑ No
Tubs	Faucet leaks:	□ Yes	☑ No		Pipes leak:	□ Yes ☑ No
Showers	Faucet leaks:	□ Yes	☑ No		Pipes leak:	□ Yes ☑ No
Toilet:	Bowl loose	☐ Yes	☑ No	<i>Operates</i> : ✓ Yes	□ No □ Cracked b	owl ☐ Toilet leaks
Whirlpool:		☐ Yes	☑ No	-	□No	
Shower/Tub area	:	☑ Cerami	c/Plastic	☐ Fiberglass	☐ Masonite	☐ Other
	Condition:	☑ Satisfac		☐ Marginal	□ Poor	☐ Rotted floors
	Caulk/Grouting n		□Yes	☑ No	Where:	
Drainage:	☑ Satisfactory		☐ Margin		□ Poor	
Water flow:	☑ Satisfactory		☐ Margin	al	□ Poor	
Moisture stains p	resent:	□ Walls	☐ Ceiling			
Outlets present:				ted: ☑ Yes □ No	Operates: 🗹 Y	es □ No
•	Open ground/reve				□ Yes ☑ No	
	Potential safety				e Remarks page)	
Heat source prese	ent:	Yes		□ No		
Exhaust fan:	☑ Yes □	No C	)perates:	☑ Yes	□ No □ Noisy	y
Windows:	□ Sat. □ Marg.	□ Poor □	Cracked g	glass 🗹 None 🗆 Evi	dence of leaking ins	ulated glass
Door:				Does not latch		
General Comm	nents					

At the time of the inspection, the bathroom and its components were found to be in satisfactory condition except as noted.

Bath: Main floo	r						
Sinks	Faucet leaks:	☐ Yes	☑ No				Yes ☑ No
Toilet:	Bowl loose	☐ Yes	☑ No	Operates:	☑ Yes	☐ No ☐ Cracked bowl	☐ Toilet leaks
Drainage:	☑ Satisfactory		☐ Margin	al		□ Poor	
Water flow:	☑ Satisfactory		☐ Margin	al		□ Poor	
Moisture stains p	resent:	$\square$ Walls	☐ Ceiling	s 🗹 No			
Outlets present:	☑ Yes □ No	GFCI prot	ected:	☑ Yes	□ No	<i>Operates</i> :   ✓	Yes □ No
	Open ground/rev	erse polarit	y within 6'	of water:	☐ Yes	☑ No	
	<b>Potential safety</b>	hazards pr	esent:	☐ Yes	☑ No	(See Remarks page)	
Heat source prese	ent:	☑ Yes		□ No			
Exhaust fan:	☑ Yes □	No C	perates:	☑ Yes		□ No □ Noisy	
Windows:	☑ Sat. ☐ Marg.	□ Poor □	l Cracked g	lass □ Non	e 🗆 Evid	lence of leaking insulate	ed glass
Door:						Iardware broken 🗆 No	
General Comm	ents						
		<u>_</u>					
At the time of the noted.	inspection, the ba	athroom and	d its compo	nents were	found to	be in satisfactory condit	ion except as
Bath: Basemer	nt						
Sinks	Faucet leaks:	☐ Yes	☑ No			Pipes leak:	Yes ☑ No
Showers	Faucet leaks:	☐ Yes	☑ No			-	Yes ☑ No
Toilet:	Bowl loose	☐ Yes	☑ No	Operates:	☑ Yes	☐ No ☐ Cracked bowl	☐ Toilet leaks
Shower area:	☑ Ceramic/Plast	ic	☐ Fibergla	ass		☐ Masonite ☐	Other
	Condition:	☑ Satisface	tory	☐ Margina	al	□ Poor □	Rotted floors
	Caulk/Grouting r	needed:	☐ Yes	☑ No		Where:	
Drainage:	☑ Satisfactory		☐ Margin	al		□ Poor	
Water flow:	☑ Satisfactory		☐ Margin	al		□ Poor	
Moisture stains p	resent:	$\square$ Walls	☐ Ceiling	s 🗹 No			
Outlets present:	☑ Yes □	No G	FCI protec	ted: 🗆 Ye	s 🗹 No	<i>Operates</i> : ✓ Yes	□ No
•	Open ground/rev					☐ Yes ☑ No	
	<b>Potential safety</b>	hazards pr	esent:	☐ Yes ☑ 1	No (Sec	e Remarks page)	
Heat source prese	ent: 🗹	Yes		□ No			
Exhaust fan:		No C	perates:	☑ Yes		□ No □ Noisy	
Windows:	☐ Sat. ☐ Marg.	□ Poor □	Cracked g	lass 🗹 No	ne 🗆 Evi	dence of leaking insulate	ed glass
Door:						Iardware broken 🛮 No	
General Comm	nents						

Outlet in the bathroom needs to be GFCI protected for safety.

#### INTERIOR ROOMS **MASTER BEDROOM Location:** Second floor Walls & Ceiling: ✓ Satisfactory □ Poor ☐ Marginal ☐ Typical Cracks ☐ Holes Moisture stains: $\square$ Yes ☑ No Flooring: ✓ Satisfactory ☐ Marginal ☐ Poor ☐ Squeaks □ Slopes Ceiling fan: ☑ N/A ☐ Satisfactory ☐ Marginal □ Poor Electrical: Switches: ✓ Yes No Outlets: ☑ Yes □ No ☑ Yes □ No Operates: Open ground/reverse polarity: □Yes ☐ Safety Hazard ☑ No ☐ Covers missing □ Not visible ✓ Yes Heat source present: ☑ Sat. ☐ Marg. ☐ Poor ☐ Cracked glass ☐ None ☐ Evidence of leaking insulated glass Windows: ☑ Sat. ☐ Marg. ☐ Poor ☐ Holes ☐ Does not latch ☐ Hardware broken ☐ None Door: ☑ Sat. ☐ Marg. ☐ Poor ☐ Holes ☐ Missing ☐ Tracks broken ☐ None Closet Doors: General Comments: At the time of the inspection the room was found to be in overall satisfactory condition. **BEDROOM #2 Location:** Second floor Walls & Ceiling: ✓ Satisfactory ☐ Poor ☐ Typical Cracks ☐ Marginal ☐ Holes ☑ No Moisture stains: $\square$ Yes ☐ Marginal □ Poor Flooring: ✓ Satisfactory ☐ Squeaks □ Slopes Ceiling fan: ☑ N/A ☐ Satisfactory ☐ Marginal □ Poor Electrical: Switches: ✓ Yes No Outlets: ☑ Yes □ No Operates: ☑ Yes □ No Open ground/reverse polarity: ☐ Yes ☐ Safety Hazard ☑ No ☐ Covers missing Heat source present: ✓ Yes □ Not visible Windows: ☑ Sat. ☐ Marg. ☐ Poor ☐ Cracked glass ☐ None ☐ Evidence of leaking insulated glass ☑ Sat. ☐ Marg. ☐ Poor ☐ Holes ☐ Does not latch ☐ Hardware broken ☐ None Door: Closet Doors: ☑ Sat. ☐ Marg. ☐ Poor ☐ Holes ☐ Missing ☐ Tracks broken ☐ None

At the time of the inspection the room was found to be in overall satisfactory condition.

#### **BEDROOM #3**

General Comments:

Location: Seco	ond floor								
Walls & Ceiling: ☑ Satisfactory		□ M	☐ Marginal			☐ Typical Cracks ☐ Holes		☐ Holes	
	Moisture stains:		□ Y€	☐ Yes		☑ No			
Flooring:	☑ Satisfact	☑ Satisfactory ☐ I		Iarginal □ Poor			☐ Squeaks		$\square$ Slopes
Ceiling fan:	☑ N/A		□ Sa	tisfactory		☐ Marginal			
Electrical:	Switches:	☑ Yes	□ No	Outlets:	✓ Yes	□ No	Operates:	✓ Yes	□ No
	Open groun	nd/reverse	polarity:	☐ Yes	☐ Safet	y Hazard	☑ No	□ Cove	ers missing
Heat source prese	ent: 🗹	Yes □	Not visible						
Windows:	$\square$ Sat. $\square$	Marg. $\square$	Poor $\square$ Cr	acked glass	□ None	☐ Evidence of	f leaking ins	ulated gla	iss
Door:	$\square$ Sat. $\square$	Marg. $\square$	Poor 🗆 Ho	oles 🗆 Doe	s not late	h 🛮 Hardwar	e broken 🗆	l None	
Closet Doors:	☑ Sat. □	Marg. □	Poor 🗆 Ho	oles   Mis	ssing 🗆 🗆	Tracks broken	□ None		
General Comn	nents:								

At the time of the inspection the room was found to be in overall satisfactory condition.

LIVING ROO	M					
Location: First	floor					
Walls & Ceiling:	☑ Satisfactory	☐ Marginal		□ Poor	☐ Typical Cra	acks
_	Moisture stains:	□ Yes		☑ No	• •	
Flooring:	☑ Satisfactory	☐ Marginal		□ Poor	☐ Squeaks	☐ Slopes
Ceiling fan:	☑ N/A	☐ Satisfactory		☐ Marginal		l Poor
Electrical:	Switches:   ✓ Yes   □	No Outlets:			Operates:   ✓	I Yes □ No
	Open ground/reverse po		☐ Safety	y Hazard	☑ No □	Covers missing
Heat source prese	ent: 🗹 Yes 🗆 Not vi	sible				
Windows:	☑ Sat. ☐ Marg. ☐ Po	or 🗆 Cracked glass	☐ Evide	nce of leaking	g insulated glass	}
Door:	□ Sat. □ Marg. □ Po	or □ Holes □ Doe	s not latch	n 🗆 Hardwai	re broken 🗹 N	one
General Comm	nents:					_
		,				
At the time of the	e inspection the room was	s found to be in over	rall satisfa	ctory conditio	on.	
	· r ·	,				
<b>EATING ARE</b>	A					
Location: First	floor					
Walls & Ceiling:	✓ Satisfactory	☐ Marginal		□ Poor	☐ Typical Cra	acks   Holes
8	Moisture stains:	□ Yes		☑ No	J1	
Flooring:	☑ Satisfactory	☐ Marginal		□ Poor	☐ Squeaks	☐ Slopes
Ceiling fan:	☑ N/A	☐ Satisfactory		☐ Marginal	_	l Poor
Electrical:	Switches:   ✓ Yes	•	☑ Yes	-	Operates:	I Yes □ No
	Open ground/reverse po		☐ Safety	Hazard		Covers missing
Heat source prese	ent: ☑ Yes ☐ Not vi	sible	•			· ·
Windows:	□ Sat. □ Marg. □ Po		s 🗆 Evide	ence of leakin	g insulated glass	S
Door:	☑ Sat. ☐ Marg. ☐ Po					
General Comm	nents:					
Ochiciai Ochini	ici ito:	l				
At the time of the	e inspection the room was	s found to be in over	rall satisfa	ctory conditio	n .	
The time of the	mspection the room was	, round to be in over	tun suustu	etory condition	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
REC ROOM						
Location: Base					Пт : 1 <i>С</i>	1 🗖 11 1
Walls & Ceiling:		☐ Marginal		□ Poor	☐ Typical Cra	acks
T1	Moisture stains:	☐ Yes		☑ No	□ C1 .	□ C1
Flooring:	✓ Satisfactory	☐ Marginal		□ Poor	□ Squeaks	☐ Slopes
Ceiling fan:	☑ N/A	☐ Satisfactory	□ <b>1 1 2 7</b> · ·	☐ Marginal		Poor
Electrical:	Switches:   ✓ Yes   ✓		✓ Yes			I Yes □ No
Hoot course succe	Open ground/reverse po		□ Salety	y Hazard	☑ No □	Covers missing
	ent: ☑ Yes ☐ Not vi		a □ E;4.	ance of lealer	a inculated also	g.
Windows: Door:	☑ Sat. ☐ Marg. ☐ Po					
D00F:	□ Sat. □ Marg. □ Po	or $\square$ notes $\square$ Doe	es not late	ıı ⊔ Harawa	ie broken 🖭 N	wone
General Comn	nents:					<u>-</u>

At the time of the inspection the room was found to be in overall satisfactory condition.

#### **BASEMENT ROOM**

Location: Base	ment				
Walls & Ceiling:	☑ Satisfactory	☐ Marginal	□ Poor	☐ Typical C	Cracks 🗆 Holes
	Moisture stains:	□ Yes	☑ No		
Flooring:	☑ Satisfactory	☐ Marginal	□ Poor	☐ Squeaks	☐ Slopes
Ceiling fan:	☑ N/A	☐ Satisfactory	☐ Marginal	•	□ Poor
Electrical:	Switches:   ✓ Yes   ☐	No Outlets:	☑ Yes □ No	Operates:	☑ Yes □ No
	Open ground/reverse po	larity: □Yes	☐ Safety Hazard	☑ No	☐ Covers missing
Heat source prese	ent: 🗹 Yes 🗆 Not vis	sible			
Windows:	□ Sat. □ Marg. □ Po	or   Cracked glass	☐ Evidence of leaking	insulated gla	SS
Door:	☑ Sat. ☐ Marg. ☐ Po	or □ Holes □ Doe	s not latch	re broken $\square$	None
General Comm	nents:				

At the time of the inspection the room was found to be in overall satisfactory condition.

## **WINDOWS / FIREPLACES / ATTIC**

		,		711110
Interior Windows	/Glass			
General condition:	☑ Satisfactor:	y	□ Poor	☐ Painted shut
☐ Hardware missin			Cracked glass	☐ Broken counter-balance mech.
☐ Surface deteriora	tion: (See Remark	s page)	I Representative nu	mber of windows operated
Evidence of leaking		☐ Yes   ☑ No		rminable \( \subseteq \text{N/A} \)
Safety glazing:	☑ N/A	☐ Safety issue	Where:	
Security bars presen	it:	☑ No □ Not	tested   Test rele	ase mechanism before moving in
Fireplace		□None Loca	ation(s): Living roo	om
☐ Gas	□ Wood	☐ Wood burner st	tove (See Remarks	page)
☐ Masonr	y insert	t	☑ Electric	
☐ Blower l	ouilt-in <i>Operates:</i>	□ Yes □ No	$\square$ Damper	operates $\square$ Damper missing
☐ Open joints or cr	acks in firebrick should	be sealed	☐ Pre-fabri	cated panels damaged/worn
Hearth: Satisfac	etory:	□ No	Mantle:	☐ Satisfactory ☐ Loose
☐ Recommend hav	ving flue cleaned and r	e-examined	☐ Vent less	□ Direct Vent
Stairs		☑ Satisfactory	☐ Margin	al 🗆 Poor 🗆 None
Handrail:	✓ Satisfactor	y	□ Poor	☐ Safety Hazard
Risers/Treads:	☑ Satisfactory	y □ Marginal	☐ Poor	☐ Risers/treads uneven
Smoke/CO Detec		(See Remarks pa	ge)	
areas. Battery operated of		onthly and batteries chang	ed semi annually. Most	ed on all levels of a home with sleeping battery operated units should be replaced
Attic				
Access: Access pan	el Access Location:	Bedroom closet	Inspected from: A	ccess panel
Flooring:	☐ Complete	☐ Partial	✓ None	-
Insulation: Type:	Loose fill fiberglass	Average thickness:	9 to 12 inches	R Rating: R32 Standard
	Installed in:   ☐ Floo	r 🗆 Rafters	$\square$ Walls	☐ Not Visible
Vent fans:	$\square$ Present $\square$ Not	tested   Thermo	ostat controlled	Safety Hazard
Ventilation:	Satisfactory			
Roof structure:	Wooden trusses			
	Plywood			
Roof Sheathing Cor	ndition: 🗹 Satisfactory			
Fans exhausted to:	Attic: ☐ Yes ☑ No	Outside: ☑ Yes	□ No □ Not visib	le □ N/A (See Remarks page)
Chimney chase:				
Structural problems			nments below	
Vapour barriers:	☑ Not visible	☐ Improperly insta		
	☐ Kraft faced		See Remarks page	
Electrical:	☐ Open junction box(€	es) 🗆 Handyr	nan wiring	☐ Visible knob-and-tube
General Commer	nts			

Trusses showed no major defects or damage at the time of inspection. Roof sheathing, examined from the attic, showed no major defects or moisture damage. Insulation was sufficient for homes in this area. Ventilation was normal. Vapour barrier not visible.

## **BASEMENT**

#### (See Remarks page)

(~ * * * * * <b>F</b> * • <b>g</b> * )					
Stairs					
Condition:	☑ Satisfactor	ry	☐ Marginal	□ Poor	☐ Safety Hazard
Handrail: ☑ Yes	□ No Co	ndition:	☑ Satisfactory	☐ Marginal	□ Poor
Headway over stairs:	☑ Satisfactor		☐ Marginal	□ Poor	
Under carriage:	☑ Satisfactor	ry	☐ Marginal	□ Poor	☐ Not visible
Foundation					
Wall Material:	Poured Conc	rete			
Condition:	Satisfactory				
Foundation Cracks:	☑ Yes □ N	None Vis	ible Visib	le from: 🗹 Exte	erior   Interior
Movement apparent:	□ Yes ☑ N	No			
Partially/Covered walls:	☑ Yes □ N	Vo			
	Condition r	eported	above reflects <u>visi</u> t	ole portion only	
Floor			(See vapour bar	rier remarks)	
Material:	Concrete	<u>.</u>	` 1	,	
Condition:	Satisfactory				
Seismic Bolts			Not applicable		
		l	Tiot applicable		
Basement Drainage					
Indication of moisture:	No	1			
Sump Pump:		ump Pun	np Operates: Not a	pplicable	
Floor drain(s) present:	Yes	г	-r -r	F F	
Drain Tile (See Remarks	naga)	□р	almer valve present	□ Not Visibl	e (See Remarks page)
Diani file (See Kemarks	page)		anner varve present	□ NOT VISIO	(See Kemarks page)
Girders (1), Columns (2)			J/A		
	☑ Steel		□ Wood	☐ Block	☐ Concrete ☐ Not visible
Condition:	☑ Satisfactor	ry	☐ Marginal	□ Poor	☐ Stained/rusted
Joists /Trusses					
☑ Joist ☐ Trusses	☐ I-Joist		☐ Steel	☑ Wood	□Concrete □ Not visible
	□ 2x6		<b>☑</b> 2x8	□ 2x10	□ 2x12
Sub Floor					
	☐ Indication	i of mois	ture stains/rotting		
				s viewed from ba	asement or crawl space
General Comments					
General Continuents					

Foundation appeared to be in overall satisfactory condition. Foundation walls were covered/partially covered with paneling/drywall/insulation and were not visible. No representation can be made to the conditions of the covered/partially covered walls. Floor appeared to be in overall satisfactory condition. No active seepage visible at the time of the inspection. No representation can be made to future leaking of the basement walls.

## **PLUMBING**

Water Service		Shut off location:	Basement				
Water entry piping: Copper Water		lines: Copper and Plastic					
* 1 1 • 11		solder joints):	☐ Yes ☑ No	☐ Service entry	☐ Unknown		
	Water flow:	☑ Satisfactory	□ Poor	Cross connection:	□ Yes □ No		
	Water pressure:	☑ Satisfactory	☐ Poor ☐ Above 80 psi (Needs evaluation)		luation)		
	Pipes: Corroc		☐ Valves broken/missing ☐ Dissimilar met		· · · · · · · · · · · · · · · · · · ·		
Drain/waste/vent pipe:	Plastic	C		· ·			
	Condition:	☑ Satisfactory	☐ Marginal	□ Poor	☐ Not visible		
	Waste discharge:	☑ Satisfactory	☐ Slow drain				
Gas Lines	□ Not visible □ Shutoff missing						
	☐ Copper	□ Brass	☑ Black iron	☐ Stainless steel	$\square$ CSST		
Water Heater							
Brand name: Rheem							
Energy Source: Gas Approx. age:<		<1 yr		Capacity: 50 gallo	n		
Rental Unit: Yes							
Relief valve:	☑ Yes ☐ No	Extension pr	oper:   ✓ Yes	□ No □ Missi	ng		
Vent pipe:	□ N/A ☑ Satisf	actory   Improper	pitch □ Rusted	☐ Safety Hazard			
Water Softener		(Unit not evaluat	ted)				
	□Yes ☑ No	Plumbing hoo	oked up: ☐ Yes	□No			
General Comments							

Overall the plumbing system, faucets, water pressure and drain rates were found to be in satisfactory condition at the time of the inspections.

## **HEATING SYSTEM**

Fuel Shutoff for Building		Main fuel s	hutoff location: Out	tside at gas meter	r	
Forced Air Syst	tem	☑ Central 1	Unit 🗆 V	Vall Furnace	☐ Floor Furnace	
	Brand name: Car	rrier		Approximate age: 15 to 20 yrs		
Energy source:	Gas Furna	ce Efficiency:	: High Efficiency			
Hot air systems:	Direct drive					
Heat exchanger:	Sealed unit, not visible	View is ex	tremely limited - S	See Remarks pa	ge about options	
Distribution:	Metal Ducts	Flue piping	g: Plastic			
Filter: Standard	Filter Condition: Sa	tisfactory				
Operated:	When turned on b	y thermostat:	: ☑ Fired	☐ Did not	fire	
Operation:	Satisfactory: 🗹	Yes □ No	☐ Recommend HV	AC technician ex	<b>xamine</b> □ Before closing	
Controls:	☐ Disconnect		✓ Normal operating	ng and safety con	itrols observed	
Heat pump:	☐ Aux. Elec.	$\square$ Aux. Gas	☐ Aux. geotherma	1  ☑ N/A		
	Emergency heat t	ested:	☐ Yes ☐ No	o		
Others		☑ N/A				-
	☐ Electric basebo	oard	☐ Radiant ceiling ca	able 🛮 Gas spa	ice heater	
	☐ Radiant in floor	heating	☐ Wood burning s	tove (See Rema	arks page)	
General Comm	ents					

Furnace was in normal working order at the time of the inspection. Heat exchanger had limited visibility due to its high-efficiency design. Flue was drafting properly at the time of the inspection. Filter should be changed /cleaned on regular bases. Unit is aging and approaching the end of its normal life expectancy, recommend budgeting for replacement of the unit within the next 5 years.

## **COOLING SYSTEM**

System Components	□ None		Approximate age: 15 to 20 yrs			
Energy source: Electric						
Operated: No	Operation: Not o	•				
Refrigerant lines:	□ Leak	☐ Damag		☐ Insulation		☑ Satisfactory
Through wall unit(s):	☑ N/A	Operated:	☐ Yes	□ No	☐ Satisfactory	☐ Needs service
General Comments						
A/C was not operated d normal life expectancy,						
		ELEC	TRI	CAL		
Main Panel		Location	: Basemen	t		
	Amps: 100 amps		Volts:120	/240 volts	Panel Type: Brea	akers
Appears grounded:	☑ Yes □ No	GFCI	present:	□ Yes ☑	No Operates:	$\square$ Yes $\square$ No
Main Wire:	Not visible					
Branch Wire:	Copper					
	☑ Romex	☐ BX cat		☐ Conduit		☐ Knob & tube
☐ Multiple tapping ☐ Branch wires undersized ☐ Federal Pacific panel (see Remarks					anel (see Remarks)	
	☐ Multiple tappin			☐ Safety H		
	$\square$ Arc fault present Operates: $\square$ Yes $\square$ No $\square$ N/A (see Remarks)				(see Remarks)	
	☐ Panel not acce	ssible	□ Not eva	aluated Rea	son:	
Electrical Fixtures						
A representative numbe	r of installed light	ing fixtures, s	switches, an	d receptacle	s located inside the	house, garage, and
exterior walls were teste				•		
	☑ Satisfactory	☐ Margin	ıal	□ Poor		
	☐ Open grounds	☐ Revers	e polarity	☐ GFCIs not	t operating   Ungre	ounded 3-prong outlets
	☐ Solid conduct	or aluminur	n branch w	iring circui	ts (See Rema	rks page)
	☐ Recommend	a licensed ele	ectrician ev	aluate the s	ervice	
General Comments:						
Panel size appeared to b	be compatible to se				* *	. No signs of

Panel size appeared to be compatible to service size. Branch breaker distribution appeared normal. No signs of overheating were evident at the time of the inspection. Outlets were randomly tested and had correct polarity, except as noted.

## **PHOTOS**



Pic. 1: Front view



Pic. 4: AC unit 2005



Pic. 2: Updated roof covering



Pic. 5: Back voew



Pic. 3: Side view



Pic. 6: Handyman extension cord wiring n backyard should be reviewed and corrected accordingly



Pic. 9: Attic



Pic. 7: Garage



entry door for safety



Pic. 11: Master bedroom



Pic. 12: Master bath



Pic. 13: Bed 2



Pic. 14: Bed 3



Pic. 15: 2<sup>nd</sup> floor bath



Pic. 16: Living room



Pic. 17: Eating area



Pic. 18: Kitchen



Pic. 19: Kitchen



Pic. 22: Rec room



Pic. 25: New rental hot water tank



Pic. 28: Laundry



Pic. 20: Kitchen



Pic. 23: Basement bath – outlet needs to be GFCI protected



Pic. 26: Gas furnace 2005



Pic. 21: Powder room



Pic. 24: Basement room



Pic. 27: 100 amp breaker panel with all copper wire

## **GENERAL REMARKS**

List below are general remarks about the different areas and components of a home. These remarks are for general information purposes only and some of the information provided may not be specific to the home inspected.

#### **GROUNDS REMARKS**

#### Service Walks/Driveways

Spalling concrete cannot be patched with concrete because the new will not bond with the old. Water will freeze between the two layers, or the concrete will break up from movement or wear. Replacement of the damaged section is recommended. Walks or driveways that are close to the property should be properly pitched away to direct water away from the foundation. Asphalt driveways should be kept sealed and larger cracks filled so as to prevent damage from frost.

**Patios** that have settled towards the structure should be mudjacked or replaced to assure proper pitch. Improperly pitched patios are one source of wet basements.

#### **Exterior Wood Surfaces**

All surfaces of untreated wood need regular applications of paint or special chemicals to resist damage. Porch or deck columns and fence posts which are buried in the ground and made of untreated wood will become damaged within a year or two.

Decks should always be nailed with galvanized or aluminium nails. Decks that are not painted or stained should be treated with a water sealer.

#### **Grading and Drainage**

Any system of grading or landscaping that creates positive drainage (moving water away from the foundation walls) will help to keep a basement dry. Where negative grade exists and additional backfill is suggested, it may require digging out around the property to get a proper pitch. Dirt shall be approximately 15 cm below the bottom sill and should not touch wood surfaces.

Flower beds, loose mulched areas, railroad ties and other such landscaping items close to the foundation trap moisture and contribute to wet basements. To establish a positive grade, a proper slope away from the house is 2.5 cm per meter for approximately 1.5 to 2 meters. Recommend ground cover planting or grass to foundation.

#### **Roof and Surface Water Control**

Roof and surface water must be controlled to maintain a dry basement. This means keeping gutters cleaned out and aligned, extending downspouts, installing splash blocks, and building up the grade so that roof and surface water is diverted away from the building.

#### Window Wells

The amount of water which enters a window well from falling rain is generally slight, but water will accumulate in window wells if the yard is improperly graded. Plastic window well covers are useful in keeping out leaves and debris.

#### **Retaining Walls**

Retaining walls deteriorate because of excessive pressure build-up behind them, generally due to water accumulation. Often, conditions can be improved by excavating a trench behind the retaining wall and filling it with coarse gravel. Drain holes through the wall will then be able to relieve the water pressure.

Retaining walls sometime suffer from tree root pressure or from general movement of topsoil down the slope. Normally, these conditions require rebuilding the retaining wall.

#### Railings

It is recommended that railings be installed for any stairway over 3 steps and porches over 75 cm for safety reasons. Balusters for porches, balconies, and stairs should be close enough to assure children cannot squeeze through.

#### **ROOF COVERING REMARKS**

#### Valleys & Flashings

Valleys and flashings that are covered with shingles and/or tar or any other material are considered not visible and are not part of the inspection.

#### **Stone Roofs - Coverings**

This type of covering on a pitched roof requires ongoing annual maintenance. We recommend that a roofing contractor evaluate this type of roof. Infra-red photography is best used to determine areas of potential leaks.

#### Flat Roofs

Flat roofs are very vulnerable to leaking. It is very important to maintain proper drainage to prevent ponding of water. We recommend that a roofing contractor evaluate this type of roof.

ROOF TYPE	LIFE EXPECTANCY	SPECIAL REMARKS
Asphalt Shingles	15-20 years	Used on nearly 80% of all residential roofs; requires little maintenance
Asphalt Multi-Thickness Shingles*	20-30 years	Heavier and more durable than regular asphalt shingles
Asphalt Interlocking Shingles*	15-25 years	Especially good in high-wind areas
Asphalt Rolls	10 years	Used on low slope roofs
Built-up Roofing	10-20 years	Used on low slope roofs; 2 to 3 times as costly as asphalt shingles
Wood Shingles*	10-40 years <sup>1</sup>	Treat with preservative every 5 years to prevent decay
Clay Tiles* Cement Tiles*	20 + years 20 + years	Durable, fireproof, but not watertight, requiring a good subsurface base
Slate Shingles*	30-100 years <sup>2</sup>	Extremely durable, but brittle and expensive
Asbestos Cement Shingles*	30-75 years	Durable, but brittle and difficult to repair
Metal Roofing	15-40 + years	Comes in sheets & shingles; should be well grounded for protection from lightning; certain metals must be painted
Single Ply Membrane	15-25 years (mfgr's claim)	New material; not yet passed test of time

Roof covering should be visually checked in spring and fall for any visible missing shingles, damaged coverings or other defects. Before re-roofing, the underside of the roof structure and roof sheathing should be inspected to determine that the roof structure can support the additional weight of the shingles.

Wood shakes and shingles will vary in aging, due to quality of the material, installation, maintenance, and surrounding shade trees. Ventilation and drying of the wood material is critical in extending the life expectancy of the wood. Commercial preservatives are available on the market, which could be applied to wood to impede deterioration.

<sup>\*</sup> Not recommended for use on low slope roof 1 Depending on local conditions and proper installation

<sup>&</sup>lt;sup>2</sup> Depending on quality of slate

#### CHIMNEY / GUTTERS / SIDING / TRIM REMARKS

#### Chimneys

Chimneys built of masonry will eventually need tuck pointing. A cracked chimney top that allows water and carbonic acid to get behind the surface brick/stone will accelerate the deterioration. Moisture will also deteriorate the clay flue liner. Periodic chimney cleaning will keep you apprised of the chimney's condition. The flashing around the chimney may need resealing and should be inspected every year or two. Fireplace chimneys should be inspected and evaluated by a chimney professional before using. Chimneys must be adequate height for proper drafting. Spark arrestors are recommended for wood burning chimney and chimney caps for fossil fuels

Unlined Chimney - should be re-evaluated by a chimney technician.

**Have flue cleaned and re-evaluated.** The flue lining is covered with soot or creosote and no representation can be made as to the condition.

NOT EVALUATED- The flue was not evaluated due to inaccessibility such as roof pitch, cap, cleanout not accessible, etc.

#### **Cricket Flashing**

Small, sloped structure made of metal and designed to drain moisture away from a chimney. Crickets are usually placed at the back of a chimney.

#### **Gutters and Downspouts**

This is an extremely important element in basement dampness control. Keep gutters clean and downspout extensions in place (1.25 meters or more). Paint the inside of galvanized gutters, which will extend the life. Shortly after a rain or thaw in winter, look for leaks at seams in the gutters. These can be re-caulked before they cause damage to fascia or soffit boards. If no gutters exist, it is recommended that they be added.

#### **Siding**

Wood siding should not come in contact with the ground. The moisture will cause rotting to take place and can attract carpenter ants.

**EIFS** - This type of siding has experienced serious problems and requires a certified EIFS inspector to determine condition.

Brick and stone veneer must be monitored for loose or missing mortar. Some brick and stone are susceptible to spalling. This can be caused when moisture is trapped and a freeze/thaw situation occurs. There are products on the market that can be used to seal out the moisture. This holds true for brick and stone chimneys also.

Metal sidings will dent and scratch. Oxidation is a normal reaction in aluminum. There are good cleaners on the market and it is recommended that they be used occasionally. Metal siding can be painted.

#### **Doors and Windows**

These can waste an enormous amount of energy. Maintain the caulking around the frames on the exterior. Check for drafts in the winter and improve the worst offenders first. Windows that have leaky storm windows will usually have a lot of sweating. Likewise, well-sealed storms that sweat indicate a leaky window. It is the tighter unit that will sweat (unless the home has excess humidity to begin with.)

Wood that exhibits blistering or peeling paint should be examined for possible moisture sources: roof leaks, bad gutters, interior moisture from baths or laundry or from a poorly vented crawl space. Some paint problems have no logical explanation, but many are a symptom of an underlying problem. A freshly painted house may mask these symptoms, but after you have lived in the home for a year or two, look for localized paint blistering (peeling). It may be a clue.

New glazing will last longer if the raw wood is treated with boiled linseed oil prior to glazing. It prevents the wood from drawing the moisture out of the new glazing.

#### Caulking

Many different types of caulk are available on the market today. Check with a paint or hardware store for the kind of application you need.

#### EXTERIOR / ELECTRICAL / AC / GARAGE REMARKS

#### **Exterior Doors**

The exposed side of wood exterior doors needs to be painted or stained and varnished to prevent discolouring and delamination. Weather-stripping is a must to prevent drafts.

#### **Electrical**

Overhead wires from the mast to the main panel that are exposed to the weather may fray and crack. If this occurs, wires should be replaced by a licensed electrician.

Any outdoor overhead service conductor wires should have adequate clearance above the ground (3 meters) and from balcony and windows (1 meter), for safety reasons.

Underground system - Some exterior boxes that are at ground level have a grade line on them. You should insure that the grade remains below this line to prevent moisture from entering the main panel.

#### **Overhead Door Openers**

We recommend that a separate electrical outlet be provided. Openers that do not have a safety reverse are considered a safety hazard. Small children and pets are especially vulnerable. We recommend the operating switches be set high enough so children cannot reach them. If an electric sensor is present, it should be tested occasionally to ensure it is working.

#### **Garage Sill Plates**

Sill plates within the garage should be elevated or treated lumber should be used. If this is not the case, try to direct water away to prevent rotting.

#### A/C Compressors

They should not become overgrown with foliage. Clearance requirements vary, but 60 cm on all sides should be considered minimal with up to 2 meters of air discharge desirable. If a clothes dryer vent is within five to ten feet, either relocate the vent or do not run when the A/C is running. The lint will quickly reduce the efficiency of the A/C unit.

#### **Burners**

Any appliance such as a water heater, furnace, etc. should have the flame a minimum of 45 cm above the floor. Any open flame less than 45 cm from the floor is a potential safety hazard. The appliance should also be protected from vehicle damage.

#### **KITCHEN / LAUNDRY / UTILITY ROOM REMARKS**

#### **Plaster on Wood Lath**

Plaster on wood lath is an old technique and is no longer in general use. Wood lath shrinks with time and the nails rust and loosen. As a result, the plaster may become fragile and caution is needed in working with this type of plastering system. Sagging ceilings are best repaired by laminating drywall over the existing plaster and screwing it to the ceiling joists.

#### Plaster on Gypsum Lath (Rock Lath)

Plaster on gypsum lath will sometimes show the seams of the 40 cm wide gypsum lath, but this does not indicate a structural fault. The scalloping appearance can be levelled with drywall joint compound and fibreglass mesh joint tape or drywall can be laminated over the existing plaster on the ceiling.

#### **Wood Flooring**

Always attempt to clean wood floors first before making the decision to refinish the floor. Wax removers and other mild stripping agents plus a good waxing and buffing will usually produce satisfactory results. Mild bleaching agents help remove deep stains. Sanding removes some of the wood in the floor and can usually be done safely only once or twice in the life of the floor.

#### **Nail Pops**

Drywall nail pops are due to normal expansion and contraction of the wood members to which the drywall is nailed, and are usually of no structural significance.

#### Carpeting

Where carpeting has been installed, the materials and condition of the floor underneath cannot be determined.

#### **Appliances**

Dishwashers are tested to see if the motor operates and water sprays properly (full cycles are not run). Stoves are tested to see that burners are working and oven and broiler get hot. Timer and controls are not tested. Refrigerators are not tested.

No representation is made to continued life expectancy of any appliance.

#### **Asbestos and Other Hazards**

Asbestos fibres in some form are present in many homes, but are often not visible and cannot be identified without testing.

If there is reason to suspect that asbestos may be present and if it is of particular concern, a sample of the material in question may be removed and analyzed in a laboratory. *However, detecting or inspecting for the presence or absence of asbestos is not a part of our inspection.* 

Also excluded from this inspection and report are the possible presence of, or danger from, radon gas, lead-based paint, urea formaldehyde, toxic or flammable chemicals and all other similar or potentially harmful substances and environmental hazards.

#### **Windows**

A representative number of windows are inspected.

#### **BATHROOM REMARKS**

#### Stall Shower

The metal shower pan in a stall shower has a potential or probable life of 10-20 years depending on quality of the pan installed. Although a visible inspection is made to determine whether a shower pan is currently leaking, it cannot be stated with certainty that no defect is present or that one may not soon develop. Shower pan leaks often do not show except when the shower is in actual use.

#### **Ceramic Tile**

Bathroom tile installed in a mortar bed is excellent. It is still necessary to keep the joint between the tile and the tub/shower caulked or sealed to prevent water spillage from leaking through and damaging the ceilings below.

Ceramic tile is often installed in mastic. It is important to keep the tile caulked or water will seep behind the tile and cause deterioration in the wallboard. Special attention should be paid to the area around faucets and other tile penetrations.

#### **Exhaust Fans**

Bathrooms with a shower should have exhaust fans where possible. This helps to remove excess moisture from the room, preventing damage to the ceiling and walls and wood finishes. The exhaust fan should not be vented into the attic. The proper way to vent the fans is to the outside. Running the vent pipe horizontally and venting into a gable end or soffit is preferred. Running the vent pipe vertically through the roof may cause condensation to run down the vent pipe, rusting the fan and damaging the wallboard. Insulating the vent pipe in the attic will help to reduce this problem.

SLOW DRAINS on sinks, tubs, and showers are usually due to build-up of hair and soap scum. Most sink pop-ups can be easily removed for cleaning. Some tubs have a spring attached to the closing lever that acts as a catch for hair. It may require removing a couple of screws to disassemble. If you cannot mechanically remove the obstruction, be kind to your pipes. Don't use a caustic cleaner. There are several bacteria drain cleaners available. They are available at hardware stores in areas where septic tanks are used. These drain cleaners take a little longer to work, but are safe for you and your pipes.

#### Safety Hazards

Typical safety hazards found in bathrooms are open grounds or reverse polarity by water. Replacing these outlets with G.F.C.I.'s are recommended. (See Electrical section)

#### Whirlpool Tubs

This relates to interior tubs hooked up to interior plumbing. Where possible, the motor will be operated to see that the jets are working. Hot tubs and spas are not inspected.

## **ROOMS (INTERIOR) REMARKS**

#### **Door Stops**

All swinging doors should be checked for door stops. Broken or missing door stops can result in door knobs breaking through drywall or plaster.

#### **Closet Guides**

Sliding closet doors should be checked to see that closet guides are in place. Missing or broken closet guides can cause scratches and damage to doors.

#### **Cold Air Returns**

Bedrooms that do not have cold air returns in them should have a 1.75 cm gap under the doors to allow cold air to be drawn into the hall return.

#### AN INSPECTION VERSUS A WARRANTY

A home inspection is just what the name indicates, an inspection of a home...usually a home that is being purchased. The purpose of the inspection is to determine the condition of the various systems and structures of the home. While an inspection performed by a competent inspection firm will determine the condition of the major components of the home, no inspection will pick up every minute latent defect. The inspector's ability to find all defects is limited by access to various parts of the property, lack of information about the property and many other factors. A good inspector will do his or her level best to determine the condition of the home and to report it accurately. The report that is issued is an opinion as to the condition of the home. This opinion is arrived at by the best technical methods available to the home inspection industry. It is still only an opinion.

A warranty is a policy sold to the buyer that warrants that specific items in the home are in sound condition and will remain in sound condition for a specified period of time. Typically, the warranty company never inspects the home. The warranty company uses actuarial tables to determine the expected life of the warranted items and charges the customer a fee for the warranty that will hopefully cover any projected loss and make a profit for the warranty seller. It is essentially an insurance policy.

The service that we have provided you is an inspection. We make no warranty of this property. If you desire warranty coverage, please see your real estate agent for details about any warranty plan to which their firm may have access.

#### WINDOWS / FIREPLACES / ATTIC REMRKS

#### Window Frames and Sills

Window frames and sills often are found to have surface deterioration due to condensation that has run off the window and damaged the varnish. Usually this can be repaired with a solvent style refinisher and fine steel wool. This is sometimes a sign of excess humidity in the house.

See comments regarding caulking doors and windows above (Chimneys/Gutters/Siding).

#### **Fireplaces**

It is important that a fireplace be cleaned on a routine basis to prevent the build-up of creosote in the flue, which can cause a chimney fire.

Masonry fireplace chimneys are normally required to have a terra cotta flue liner or 8 inches of masonry surrounding each flue in order to be considered safe and to conform to most building codes.

During visual inspections, it is not uncommon to be unable to detect the absence of a flue liner either because of stoppage at the firebox, a defective damper or lack of access from the roof.

#### **Wood burners**

Once installed, it can be difficult to determine proper clearances for wood burning stoves. Manufacturer specifications, which are not usually available to the inspector, determine the proper installation. We recommend you ask the owner for paperwork verifying that it was installed by a professional contractor.

#### Ventilation

Ventilation is recommended at the rate of one square foot of vent area to 300 square feet of attic floor space, this being divided between soffit and rooftop. Power vents should ideally have both a humidistat and a thermostat, since ventilation is needed to remove winter moisture as well as summer heat. Evidence of condensation, such as blackened roof sheathing, frost on nail heads, etc. is an indication that ventilation may have been or is blocked or inadequate.

#### Insulation

The recommended insulation in the attic area is R-38, approximately 30cm. If insulation is added, it is important that the ventilation is proper.

#### **Smoke Detectors**

Smoke detectors should be tested monthly. At least one detector should be on each level.

#### Vapour Barriers

The vapour barrier should be on the warm side of the surface. Older homes were often built without vapour barriers. If the vapour barrier is towards the cold side of the surface, it should be sliced or removed. Most vapour barriers in the attic are covered by insulation and therefore, not visible.

#### Safety Glazing

Safety glazing requirements vary depending on the age of the home. Every attempt is made to identify areas where the lack of safety glazing presents an immediate safety hazard, such as a shower door. In some older homes it is difficult to determine if safety glazing is present, since the glass is not marked. Therefore, no representation is made that safety glazing exists in all appropriate areas.

#### **Insulated Glass**

The broken seals are not always detectable due to dirty windows, covered windows, etc. In most cases, leaking glass seals take some time before they are evident.

#### **BASEMENT REMARKS**

#### **Basement**

Any basement that has cracks or leaks is technically considered to have failed. Most block basements have step cracks in various areas. If little or no movement has occurred, and the step cracks are uniform, this is considered acceptable. Horizontal cracks in the third or fourth block down indicate the block has moved due to outside pressure. They can be attributed to many factors, such as improper grading, improperly functioning gutter and downspout system, etc. Normally, if little or no movement has taken place and proper grading and downspouts exist, this is considered acceptable. If the wall containing the stress crack(s) has moved considerably, this will require some method of reinforcement. Basements that have been freshly painted or tuck-pointed should be monitored for movement. This will be indicated by cracks reopening. If cracks reappear, reinforcement may be necessary. Reinforcing a basement wall can become expensive.

#### **Foundation (Covered Walls)**

Although an effort has been made to note any major inflections or weaknesses, it is difficult at best to detect these areas when walls are finished off, or basement storage makes areas inaccessible. *No representation is made as to the condition of these walls.* 

**Monitor** indicates that the walls have stress cracks, but little movement has occurred. In our opinion, the cracks should be filled with mortar and the walls monitored for further movement and cracking. If additional movement or cracking occurs, re-enforcements may be necessary.

**Have Evaluated** — we recommend that the walls be re-evaluated by a structural engineer or basement repair company and estimates be obtained if work is required.

#### **Vapour Barrier**

Floors that are dirt or gravel should be covered with a vapour barrier.

#### **Moisture Present**

Basement dampness is frequently noted in houses and in most cases the stains, moisture or efflorescence present is a symptom denoting that a problem exists outside the home. Usual causes are improper downspout extensions or leaking gutters and/or low or improper grade (including concrete surfaces) at the perimeter of the house. A proper slope away from the house is one inch per foot for four to six feet.

Expensive solutions to basement dampness are frequently offered, and it is possible to spend thousands of dollars on solutions such as pumping out water that has already entered or pumping of chemical preparations into the ground around the house, when all that may be necessary are a few common sense solutions at the exterior perimeter. However, this is not intended to be an exhaustive list of causes and solutions to the presence of moisture. *No representation is made to future moisture that may appear.* 

#### **Palmer Valve**

Many older homes have a valve in the floor drain. This drain needs to remain operational.

#### **Drain Tile**

We offer no opinion about the existence or condition of the drain tile, as it cannot be visibly inspected.

#### **Basement Electrical Outlets**

We recommend that you have an outlet within 2 meters of each appliance. The appliance you plan to install may be different than what exists; therefore the inspection includes testing a representative number of receptacles that exist. It is also recommended to have ground fault circuit interrupts for any outlet in the unfinished part of the basement and crawl spaces.

#### PLUMBING REMARKS

#### Wells

**Examination of wells is not included in this visual inspection.** It is recommended that you have well water checked for purity by the local health authorities and, if possible, a check on the flow of the well in periods of drought. A well pit should have a locked cover on it to prevent anyone from falling into the pit.

#### **Septic Systems**

The check of septic systems is not included in our visual inspection. You should have the local health authorities or other qualified experts check the condition of a septic system.

In order for the septic system to be checked, the house must have been occupied within the last 30 days.

#### **Water Pipes**

Galvanized water pipes rust from the inside out and may have to be replaced within 20 to 30 years. This is usually done in two stages: horizontal piping in the basement first and vertical pipes throughout the house later as needed.

Copper pipes usually have more life expectancy and may last as long as 60 years before needing to be replaced.

Polybutylene pipes are grey pipes that have a history of failure and should be examined by a licensed plumber.

#### **Hose Bibs**

During the winter months it is necessary to make sure the outside faucets are winterized. This can be done by means of a valve located in the basement. Leave the outside faucets open to allow any water standing in the pipes to drain, preventing them from freezing. Hose bibs cannot be tested when winterized.

#### Water Heater

The life expectancy of a water heater is 5-10 years. Water heaters generally need not be replaced unless they leak. It is a good maintenance practice to drain 5-10 gallons from the heater several times a year. *Missing relief valves or improper extension present a safety hazard.* 

#### **Water Softeners**

During a visual inspection, it is not possible to determine if water is being properly softened.

#### **Plumbing**

The temperature/pressure valve should be tested several times a year by lifting the valve's handle. Caution: very hot water will be discharged. If no water comes out, the valve is defective and must be replaced.

#### **Shut-Off Valves**

Most shut-off valves have not been operated for long periods of time. We recommend operating each shut-off valve to: toilet bowl, water heater, under sinks, main shut-off, hose faucets, and all others. We recommend you have a plumber do this, as some of the valves may need to be repacked or replaced. Once the valves are in proper operating order, we recommend opening and closing these valves several times a year.

#### **Polybutylene Piping**

This type of piping has a history of problems and should be examined by a licensed plumber and repaired or replaced as necessary.

MECHANICAL DEVICES MAY OPERATE AT ONE MOMENT AND LATER MALFUNCTION; THEREFORE, LIABILITY IS SPECIFICALLY LIMITED TO THOSE SITUATIONS WHERE IT CAN BE CONCLUSIVELY SHOWN THAT THE MECHANICAL DEVICE INSPECTED WAS INOPERABLE OR IN THE IMMEDIATE NEED OF REPAIR OR NOT PERFORMING THE FUNCTION FOR WHICH IS IT WAS INTENDED AT THE TIME OF INSPECTION.

#### **HEATING SYSTEM REMARKS**

**HEATING AND AIR CONDITIONING** units have limited lives. Normal lives are:

GAS-FIRED HOT AIR	15-25 years
OIL-FIRED HOT AIR	
CAST IRON BOILER	•
(Hot water or steam)	or more
STEEL BOILER	30-40 years
(Hot water or steam)	or more
COPPER BOILER	10-20 years
(Hot water or steam)	•
CIRCULATING PUMP (Hot water)	10-15 years
AIR CONDITIONING COMPRESSOR	
HEAT PUMP	.8-12 years

Gas-fired hot air units that are close to or beyond their normal lives have the potential of becoming a source of carbon monoxide in the home. You may want to have such a unit checked every year or so to assure yourself that it is still intact. Of course, a unit of such an age is a good candidate for replacement with one of the new, high efficiency furnaces. The fuel savings alone can be very attractive.

Boilers and their systems may require annual attention. If you are not familiar with your system, have a heating contractor come out in the fall to show you how to do the necessary things. *Caution: do not add water to a hot boiler!* 

Forced air systems should have filters changed every 30 to 60 days of the heating and cooling season. This is especially true if you have central air conditioning. A dirty air system can lead to premature failure of your compressor - a \$1,500 machine.

Oil-fired furnaces and boilers should be serviced by a professional each year. Most experts agree you will pay for the service cost in fuel saved by having a properly tuned burner.

Read the instructions for maintaining the humidifier on your furnace. A malfunctioning humidifier can rust out a furnace rather quickly. It is recommended that the humidifier be serviced at the same time as the furnace, and be cleaned regularly. *During a visual inspection it is not possible to determine if the humidifier is working.* 

**Have HVAC Technician Examine** - A condition was found that suggests a heating contractor should do a further analysis. We suggest doing this before closing.

Heat exchangers cannot be examined nor their condition determined without being disassembled. Since this is not possible during a visual, non-technically exhaustive inspection, you may want to obtain a service contract on the unit or contact a furnace technician regarding a more thorough examination.

Testing pilot safety switch requires blowing out the pilot light. Checking safety limit controls requires disconnecting blower motor or using other means beyond the scope of this inspection. If furnace has not been serviced in last 12 months, you may want to have a furnace technician examine.

**CO Test** - This is not part of a non-technical inspection.

**Combustible Gas Test (Potential Safety Hazard)** - If a combustible gas detector was used during the inspection of the furnace and evidence of possible combustible gases was noted, we caution you that our test instrument is sensitive to many gases and not a foolproof test. None-the-less, this presents the <u>possibility</u> that a hazard exists and could indicate that the heat exchanger is, or will soon be, defective.

#### **COOLING SYSTEM / ELECTRICAL REMARKS**

#### **Electrical**

Every effort has been made to evaluate the size of the service. Three wires going into the home indicate 240 volts. The total amps are sometimes difficult to determine. We highly recommend that ground fault circuit interrupters (G.F.C.I.) be connected to all outlets around water. This device automatically opens the circuit when it senses a current leak to ground. This device can be purchased in most hardware stores. G.F.C.I.'s are recommended by all outlets located near water, outside outlets, or garage outlets. Pool outlets should also be protected with a G.F.C.I.

The G.F.C.I. senses the flow of electricity through a circuit. If more current is flowing through the black ("hot") wire than the white ("neutral") wire, there is a current leakage. The G.F.C.I., which can sense a ground leak of as little as .005 amps, will shut off the current in 1/40 of a second, which is fast enough to prevent injury.

If you do have G.F.C.I.'s, it is recommended that you test (and reset) them monthly. When you push the test button, the reset button should pop out, shutting off the circuit. If it doesn't, the breaker is not working properly. If you don't test them once a month, the breakers have a tendency to stick, and may not protect you when needed.

Knob and tube wiring found in older homes should be checked by an electrician to insure that the wire cover is in good condition. Under no circumstances should this wire be covered with insulation. Recess light fixtures should have a baffle around them so that they are not covered with insulation. The newer recessed fixtures will shut off if they overheat.

Federal Pacific electrical panels may be unsafe. See www.google.com and search for "Federal Pacific" for additional and up-to-date information.

Aluminum wiring in general lighting circuits has a history of overheating, with the potential of a fire. If this type of wiring exists, a licensed electrical contractor should examine the whole system.

#### **Arc Faults**

In some areas, arc faults are required in new homes, starting in 2002. These control outlets in the bedrooms.

#### **Reverse Polarity**

A common problem that surfaces in many homes is reverse polarity. This is a potentially hazardous situation in which the hot and neutral wires of a circuit are reversed at the outlet, thereby allowing the appliance to incorrectly be connected. This is an inexpensive item to correct.

Each receptacle has a brass and silver screw. The black wire should be wired to the brass screw and the white wire should go to the silver screw. When these wires are switched, this is called "reverse polarity". Turning off the power and switching these wires will correct the problem.

Main service wiring for housing is typically 240 volts. The minimum capacity for newer homes is 100 amps, though many older homes still have 60 amp service. Larger homes or all electric homes will likely have a 200 amp service.

Main service wiring may be protected by one or more circuit breakers or fuses. While most areas allow up to six main turnoffs, expanding from these panels is generally not allowed.

#### Cooling

**Testing A/C System and Heat Pump** - The circuit breakers to A/C should be on for a minimum of 24 hours and the outside temperature at least 15 °C for the past 24 hours or an A/C system cannot be operated without possible damage to the compressor. Check the instructions in your A/C manual or on the outside compressor before starting up in the summer. Heat pump can only be tested in the mode it's running in. Outside temperature should be at least 15 °C for the past 24 hours to run in cooling mode.

Temperature differential, between 7°-15°, is usually acceptable. If out of this range, have an HVAC contractor examine it. It is not always feasible to do a differential test due to high humidity, low outside temperature, etc.