

# Home Energy Loss Inspection Survey

Provided By:



For: Client XXXX  
City, Prov.  
Postal

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**Date:** 11/21/06

## **General Information**

An energy loss inspection survey was completed for the XXXXXX on November 21st 2006 at XXXXXXX St. and was inspected for the following.

***Indoor inspection*** - complete infrared survey of the interior for energy loss, water intrusion/damage, pests and rodents, electrical problems.

***Outdoor inspection*** - includes complete exterior survey for energy loss, water damage, and any areas where electrical utilities are entering your home.

### **Weather**

Outside temp. was 5.9 degrees Celsius, Wind from north -west at apx 4 km/h, Pressure was 101.2 kPa, Inspection start time apx. 7:00 pm. Indoor temp. 24.2 degrees Celsius.

### **Electrical**

All the homes outlets were checked along with the fuse box everything seemed fine except for three outlets attached to the down stairs fuse box. It is nothing to worry about but next time you have an electrician in have them check for loose connections . For more info. see page 9. Also investigate Apt. B, East bedroom for unknown anomaly.

### **Heat Loss**

Whole home was checked for energy loss. A few notable areas especially the in the basement where the foundation meets the framing of the home. See pages 4 & 5 for heat loss recommendations.

### **Everything Else**

No areas of water damage found. All other aspects are in good shape.

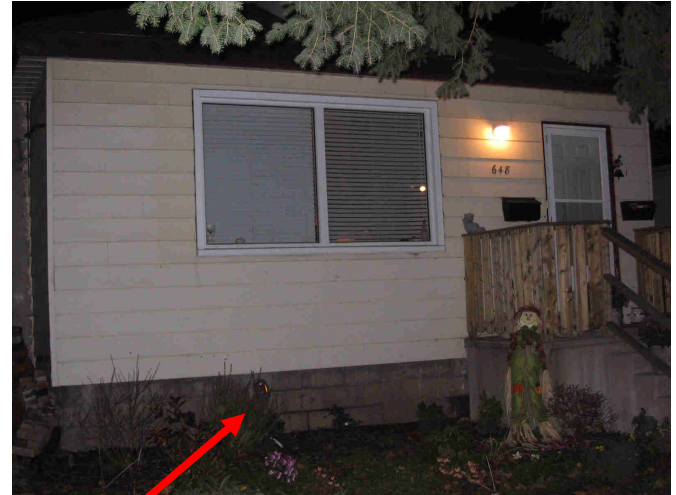
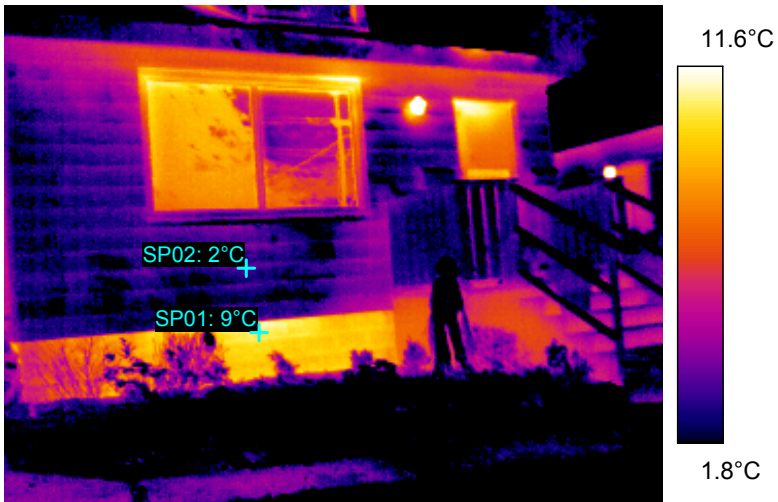
### **Recommendations**

When insulating the basement paint the interior & exterior with a water proof seal. This will help prevent water ingress through the cement blocking during high winds and rain. Then vapor barrier and insulate with fiberglass batt recommended "R" Thickness of 8-10".

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# Location: Front of House



IR information	Value
Date of creation	18/11/2006
Time of creation	1:58:46 AM
Object parameter	Value
Ambient temperature	21.6°C
Label	Value
SP01	9°C
SP02	2°C

Notes: 7 degree C difference from spot 1 to spot 2 at base of home. Significant heat loss.

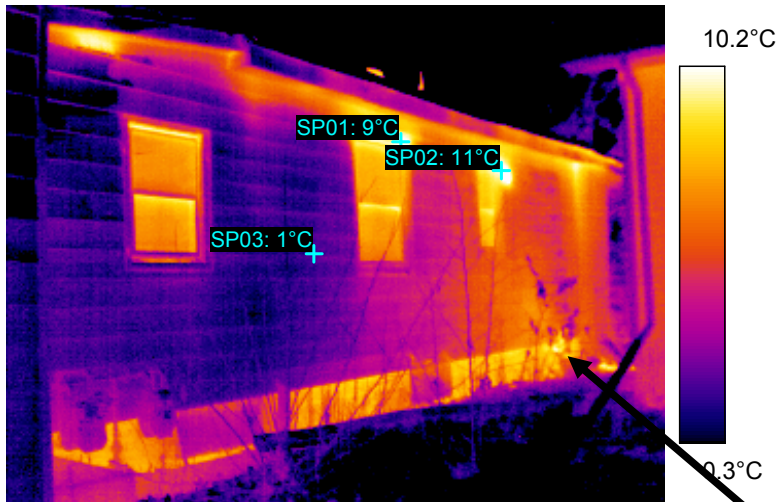
Zero (0) being good, Five (5) being Severe

Severity	0	1	2	3	4	5

## Recommendations:

Insulate and vapor barrier basement at footing of home as discussed. Fiberglass Batt with an "R" Thickness of 8-10" recommended.

# Location: West side of home



IR information	Value
Date of creation	18/11/2006
Time of creation	2:02:45 AM
Object parameter	Value
Ambient temperature	21.6°C
Label	Value
SP01	9°C
SP02	11°C
SP03	1°C

Notes: Significant heat loss from top of west side windows. see spot comparison. Arrow points to major loss of heat out of side of building. Fire place was removed and retro-fit was not properly insulated.

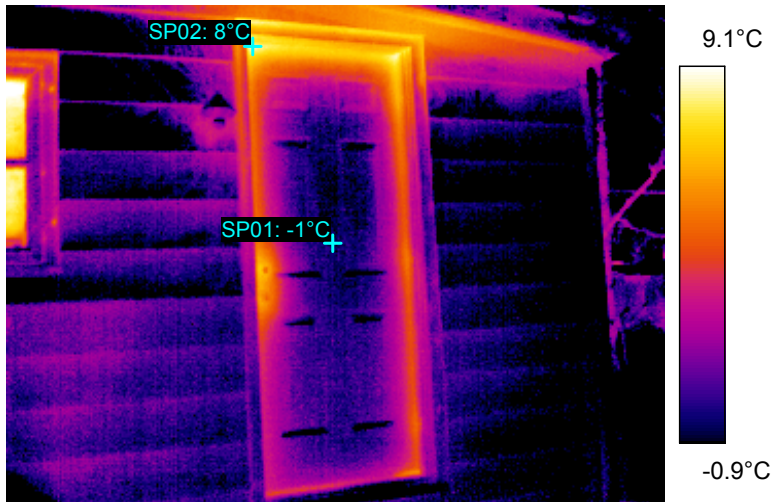
Zero (0) being good, Five (5) being Severe

Severity	0	1	2	3	4	5

## Reccomendations:

Seal windows with weather striping or insulating foam. Re-insulate retro-fit if possible.

# Location: East side of home. Apt. B entrance



IR information	Value
Date of creation	18/11/2006
Time of creation	2:07:42 AM
Label	Value
SP01	-1°C
SP02	8°C

Notes: Heat loss at door seal.

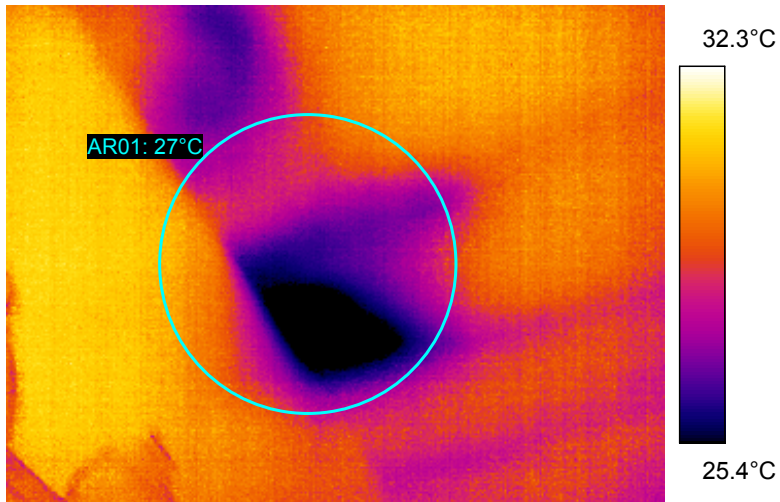
Zero (0) being good, Five (5) being Severe

Severity	0	1	2	3	4	5

## Reccomendations:

Apply new weather stripping to provide better seal.

# Location: Bathroom, south-east, top corner



IR information	Value
Date of creation	18/11/2006
Time of creation	2:25:22 AM
Object parameter	Value
Ambient temperature	21.6°C
Label	Value
AR01 : max	29°C
AR01 : min	24°C
AR01 : max-min	6°C
AR01 : avg	27°C

Notes: Moisture reading taken.  
acceptable level. Cold ingress noted.

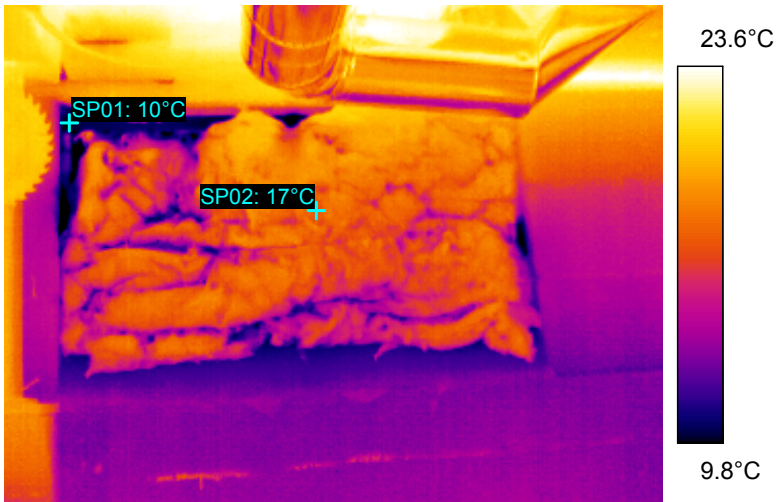
Zero (0) being good, Five (5) being Severe

Severity	0	1	2	3	4	5

## Reccomendations:

Nothing to worry about. monitor to ensure no growth of cold ingress.

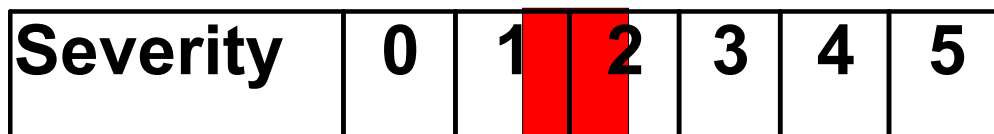
# Location: Basement Apt. A, west wall



IR information	Value
Date of creation	18/11/2006
Time of creation	2:46:35 AM
Object parameter	Value
Ambient temperature	24.2°C
Label	Value
IR : max	25°C
IR : min	8°C
SP01	10°C
SP02	17°C

Notes: basement window covered - west wall. 7 degree C. temp. difference.

Zero (0) being good, Five (5) being Severe



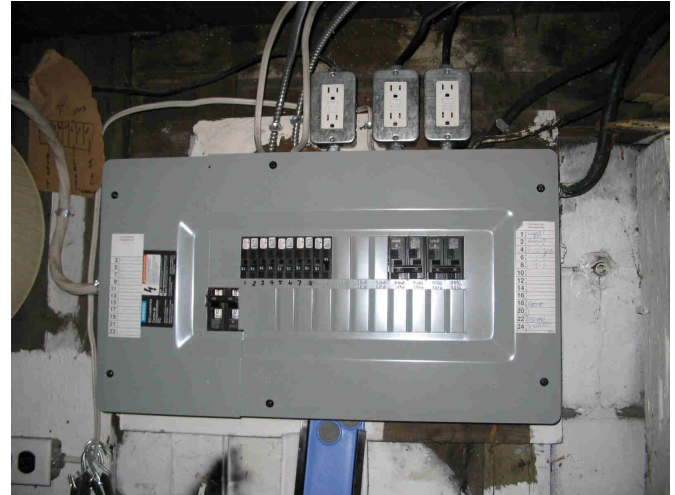
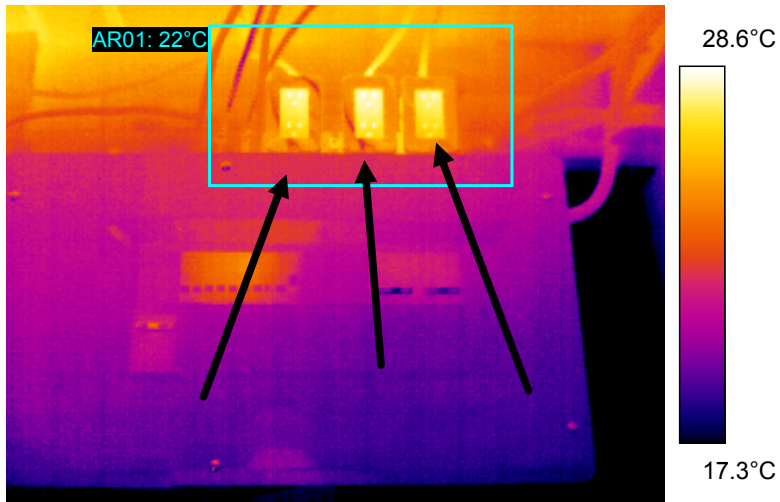
## Reccomendations:

Re-adjust Insulation, or/ Re-insulate when basement is done.

Same problem noted with other two windows.



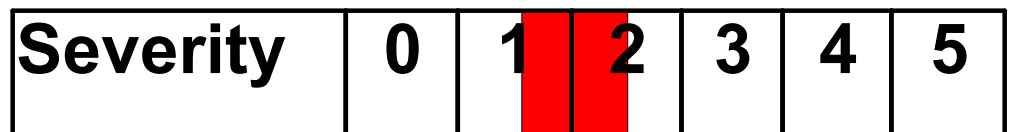
# Location: Fuse Box



IR information	Value
Date of creation	18/11/2006
Time of creation	2:39:37 AM
Object parameter	Value
Ambient temperature	24.2°C
Label	Value
AR01 : max	29°C
AR01 : min	19°C
AR01 : max-min	10°C
AR01 : avg	22°C

Notes: Heat running up wires, cause most likely loose connections. No emergency. Everything else looks fine.

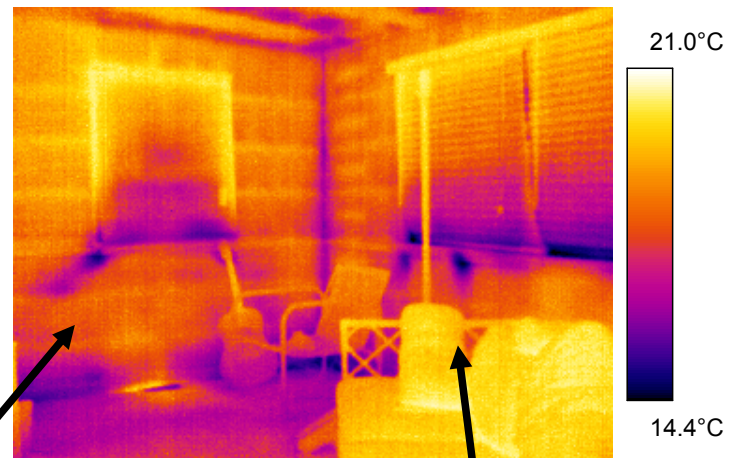
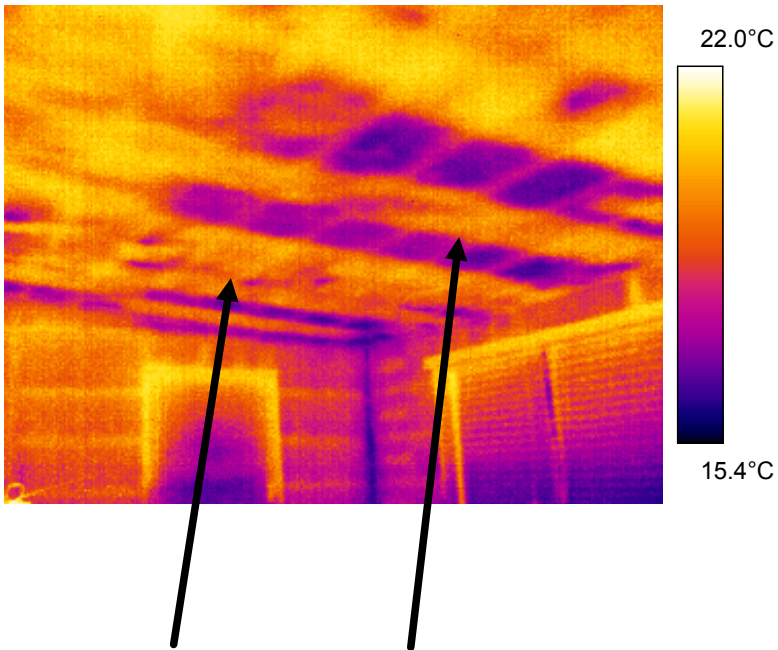
Zero (0) being good, Five (5) being Severe



## Reccomendations:

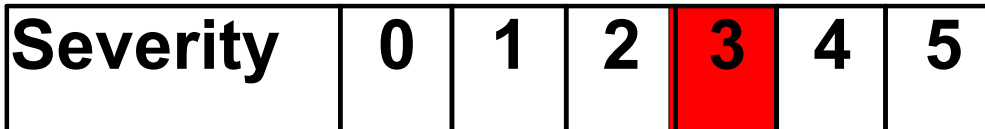
Tighten or have electrician check connections.

# Location: Apt. B, North room



IR information	Value
Date of creation	18/11/2006
Time of creation	3:08:44 AM
Label	Value
IR : max	21°C
IR : min	17°C

Zero (0) being good, Five (5) being Severe



## Reccomendations:

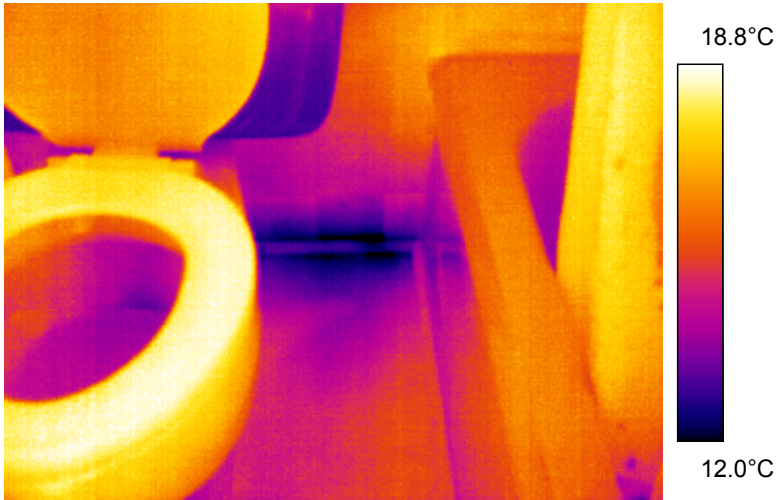
remove old damaged insulation, re-drywall,  
Tear down and properly re-build back partition.

Notes: Previous water damage spot, low moisture reading (top left image)

Air infiltration from windows (bottom right)

Ceiling studs running in wrong direction.

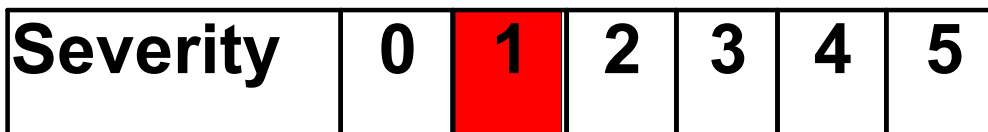
# Location: Apt. B, Bathroom



IR information	Value
Date of creation	18/11/2006
Time of creation	3:12:17 AM
Object parameter	Value
Ambient temperature	24.2°C
Label	Value
IR : max	19°C
IR : min	11°C

Notes: Cool air coming in.

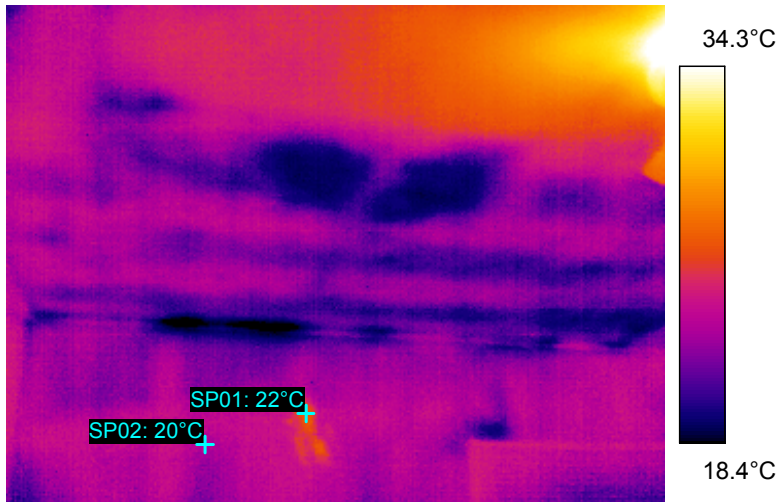
Zero (0) being good, Five (5) being Severe



## Reccomendations:

Seal base with insulating foam then re tile open area.

# Location: Apt. B, East bedroom



IR information	Value
Date of creation	18/11/2006
Time of creation	3:16:05 AM
Object parameter	Value
Ambient temperature	24.2°C
Label	Value
SP01	22°C
SP02	20°C

Notes:  
Warm anomaly found. 2 degree C temp. difference. Moisture reading found no results.

Zero (0) being good, Five (5) being Severe

Severity	0	1	2	3	4	5

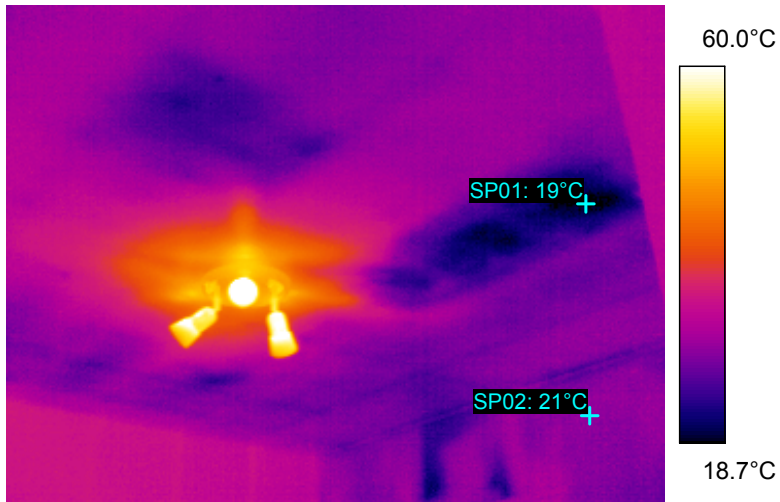
## Reccomendations:

Investigate further, a destructive test may be needed.

## **Speculation:**

Could be electrical wires, found where old exterior incoming hydro used to be.  
Possible rodent infestation.

# Location: Apt. B, West bedroom



IR information	Value
Date of creation	18/11/2006
Time of creation	3:20:02 AM
Object parameter	Value
Ambient temperature	24.2°C
Label	Value
SP02	21°C
SP01	19°C

Notes:  
Cold air Ingress. 2 degree temp. difference. Insulation could be old and deteriorated.

Zero (0) being good, Five (5) being Severe

Severity	0	1	2	3	4	5

## Reccomendations:

Replace old insulation.

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