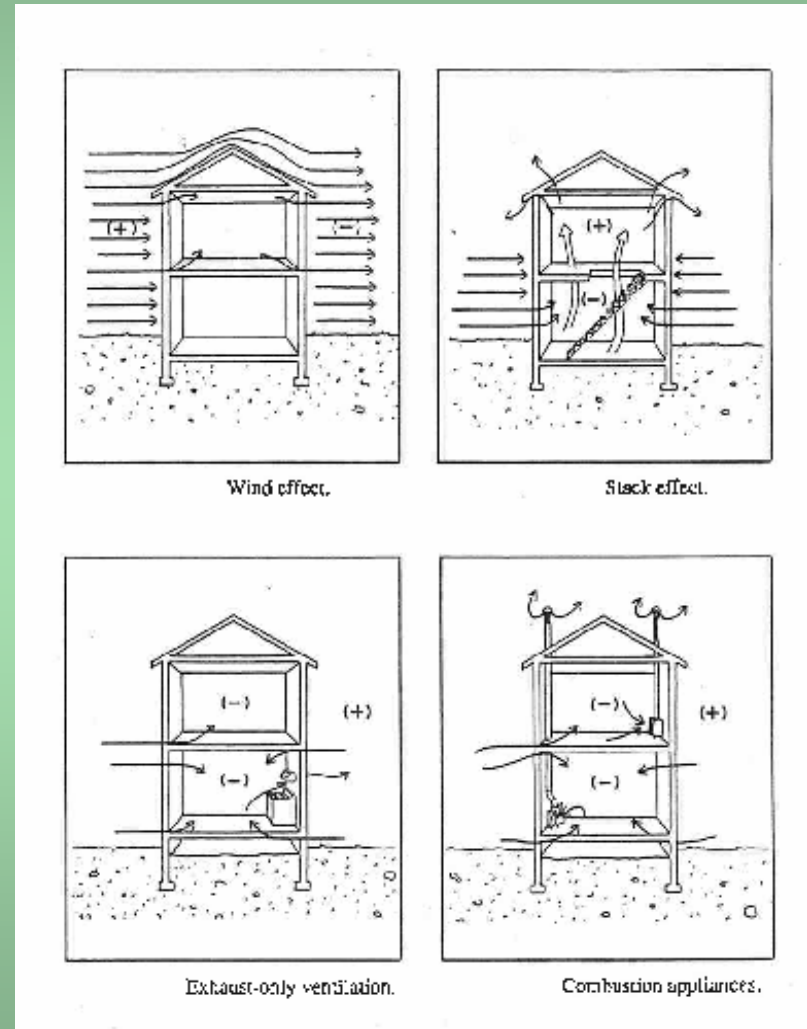


# 1. Assessment

## B. Property

- Building Science
  - Climate and built environment
  - Location of bldg/zone
  - Effect of wind



## Assessing Bldg (cont.)

### 2. Blower Door Testing - Results

- 2000 CFM50, pretty leaky
- **Chimney** leaky even when the damper was closed
- Test over porch revealed that there's a clear **connection** between overhang and the envelope
- Later test with IR scanner showed similar problems with overhang of second floor on the south façade



# Assess the building

## ... Typical Energy Audit Summary

### Valmont Square Recommendations and payback

Measure	Before	After	Material \$	Labor \$	Total \$	Annual elec save (kWh)	Annual Gas save (therm)	Total savings (\$)	Simple Payback (years)
Air sealing	2000 CFM50	900 CFM50	\$100	\$200	\$300	59	114	\$126	2.4
Shower head	2.0 gpm	1.5 gpm	\$8	\$10	\$18		18	\$28	0.64
Lights	1500 W	400 W	\$85	\$30	\$115	964		\$96	1.2
Refrigerator	1220 kWh/yr	350 kWh/yr	\$420		\$420	870		\$87	4.8
<b>Totals</b>			<b>\$613</b>	<b>\$240</b>	<b>\$853</b>	<b>1,893</b>	<b>132</b>	<b>\$337</b>	<b>2.5</b>