

BUILDING LEAKAGE TEST

Date of Test: 5 July 2014
Test File: 140705 SEE Change Therry Place B

Technician: Jen

Customer:

Building Address: 4 Therry Place
Watson

Test Results at 50 Pascals:

V50: Airflow (m³/h) 4677 (+/- 0.5 %)
n50: Air Changes per Hour (1/h) 15.33
w50: m³/(h*m² Floor Area) 37.72
q50: m³/(h*m² Surface Area) 15.59

Leakage Areas:

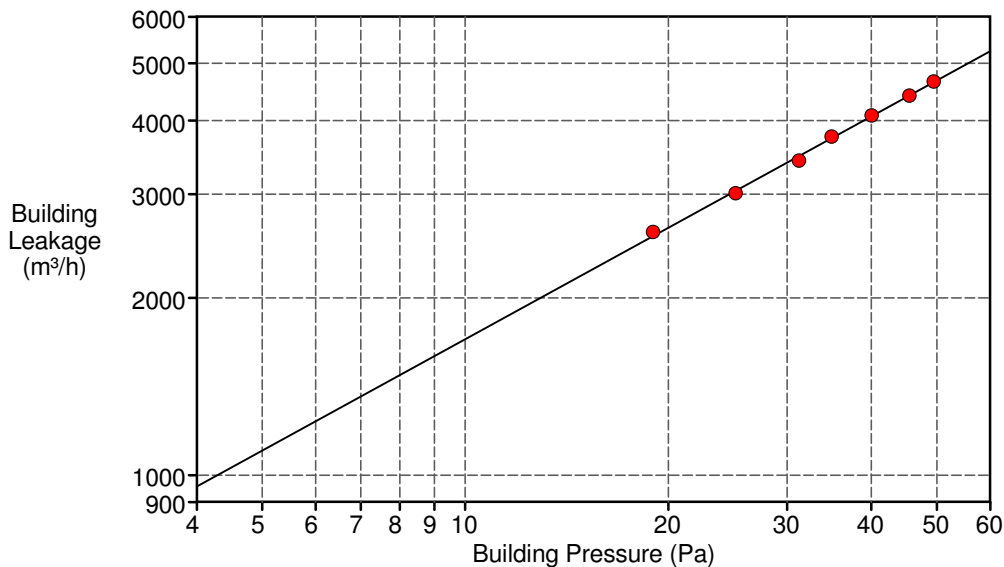
1900.2 cm² (+/- 1.8 %) Canadian EqLA @ 10 Pa or 6.33 cm²/m² Surface Area
1031.2 cm² (+/- 3.1 %) LBL ELA @ 4 Pa or 3.44 cm²/m² Surface Area

Building Leakage Curve:

Air Flow Coefficient (Cenv) = 393.9 (+/- 5.0 %)
Air Leakage Coefficient (CL) = 401.2 (+/- 5.0 %)
Exponent (n) = 0.628 (+/- 0.014)
Correlation Coefficient = 0.99881

Test Standard: EN 13829 Test Mode: Depressurization
Type of Test Method: B Regulation complied with:
Equipment: Model 4 (230V) Minneapolis Blower Door

| | | | |
|---------------------------|---------------------------|-----------------------|--------------------|
| Inside Temperature: | 10 °C | Volume: | 305 m ³ |
| Outside Temperature: | 6 °C | Surface Area: | 300 m ² |
| Barometric Pressure: | 101325 Pa | Floor Area: | 124 m ² |
| Wind Class: | 0 Calm | Uncertainty of | |
| Building Wind Exposure: | Highly Protected Building | Building Dimensions: | 2 % |
| Type of Heating: | | Year of Construction: | |
| Type of Air Conditioning: | | | |
| Type of Ventilation: | None | | |



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Comments

Built 1960s
Extended 7 years ago.
Wall insulation retrofitted 3 years ago

Data Points: Depressurization

| Nominal Building Pressure (Pa) | Fan Pressure (Pa) | Nominal Flow (m ³ /h) | Temperature Adjusted Flow (m ³ /h) | % Error | Fan Configuration |
|--------------------------------|-------------------|----------------------------------|---|-------------|-------------------|
| -0.7 | n/a | | | | |
| -50.0 | 45.1 | 4720 | 4658 | 0.2 | Open |
| -46.0 | 40.2 | 4465 | 4406 | -0.1 | Open |
| -40.5 | 34.3 | 4134 | 4080 | 0.3 | Open |
| -35.4 | 28.9 | 3808 | 3758 | 0.7 | Open |
| -31.7 | 169.3 | 3468 | 3422 | -1.7 | Ring A |
| -25.6 | 130.8 | 3052 | 3011 | -0.9 | Ring A |
| -19.4 | 96.4 | 2624 | 2589 | 1.7 | Ring A |
| -0.2 | n/a | | | | |
| Test 1 Baseline (Pa): | | p01- = -0.9 | p01+ = 0.2 | p02- = -0.6 | p02+ = 0.6 |