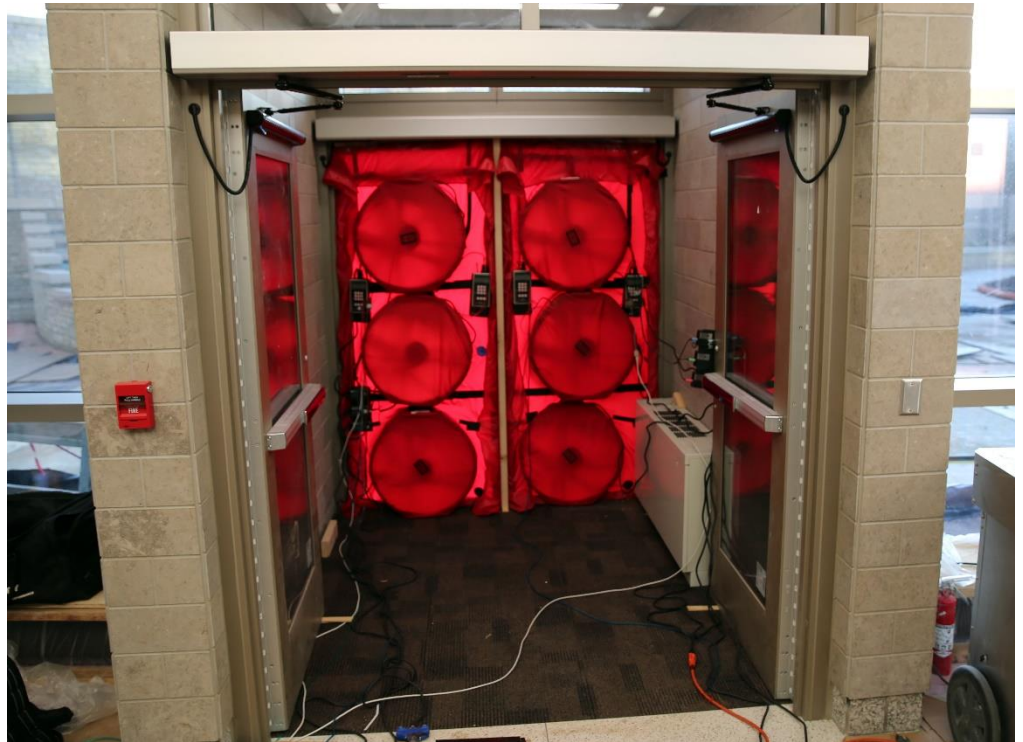




SERVICE PROFILE

Whole Building Air Pressurization Testing



- Building enclosure testing
- Building science
- Building enclosures
- Enclosure commissioning
- Design review
- Peer review
- Instrumentation and monitoring
- Systems and components
- International Energy Conservation Code testing
- ASHRAE 90.1 2019 testing
- California Title 24 testing
- ASHRAE 90.1 2019 intensive quality control observations
- Washington state testing of commercial and multifamily residential buildings greater than five stories

The increasing demand for high-performance buildings has prompted code changes that mandate efficient use of energy and resources. These changes include more stringent requirements regarding the performance of building envelopes, particularly when it comes to their airtightness. WJE has in-house equipment and capabilities to perform quantitative air leakage testing for buildings of any size or complexity. We also use infrared imaging and theatrical fog tracing to identify locations of air leakage through building envelopes.

Various building codes and institutions are increasingly requiring whole building air barrier testing. The 2021 International Energy Conservation Code requires testing of most commercial buildings over 5,000 square feet. ASHRAE 90.1 2019 requires either testing or intensive quality control observations of the air barrier design and installation for all commercial buildings. California Title 24 currently has testing as an option for compliance, but mandatory testing is being considered in the revisions currently underway.

WJE engineers and architects have gone through extensive large building training provided by the Air Barrier Association of America (ABAA) and The Energy Conservatory. Our equipment can also be used to perform forensic qualitative or quantitative testing, along with air leakage site location tracing. WJE's nationally ABAA-certified air barrier specialists are ready to assist clients with their whole building air pressurization testing needs.

