



*Simpson's Tyrell Gilb Research Laboratory:  
Where Discovery Meets Development*

**Why Simpson?**

- > *Pioneer in Lateral Systems Development*
- > *History of Research and State-of-the-Art Testing*
- > *Innovative Product Design*
- > *Field and Technical Support*
- > *On-Site Training*
- > *Product Availability*



**Why Simpson Anchor Tiedown System?**

- > *High Capacity Restraint*
- > *Code-Compliance*
- > *Reliable, Consistent Performance*
- > *Ease of Installation*
- > *Design Flexibility for Multistory Applications*
- > *Software Support*



**A History of Testing, Innovation and Performance**

Since Barclay Simpson made his first connector more than 50 years ago, Simpson Strong-Tie has worked with the engineering and building communities to develop products that have significantly improved the structural integrity of homes and buildings. Our team of engineers and product managers continue to look for new ways to solve everyday issues, and use our lab facilities to develop and test new products.

**Product Innovation**

Simpson's commitment to product design and testing has grown and expanded over the years to include a whole-systems approach to building design. Our Anchor Tiedown System (ATS) is among our lateral systems solutions that is specifically designed for light-frame multi-story construction. This system offers a high-capacity restraint that can resist large uplift and overturning forces. With the introduction of ATS, specifiers and engineers have more design flexibility while increasing building performance.



**On-Site Field Support**

Our ability to develop new products has a lot to do with the feedback we receive from the field. Our customers often come to us with either a product request or a problem that needs to be solved. Our engineering team is often able to respond and provide the field support needed to keep a project moving. It's these field experiences along with our in-house testing facilities that keep us in the forefront of structural systems technology.

**Unparalleled Testing**

Our testing and research capabilities increased significantly when we opened our Tyrell Gilb Research Laboratory in 2003. Our state-of-the-art lab allows us to perform full-scale tests on wall sections so we can measure the performance of our products and simulate real-world conditions, such as seismic ground motion, and uplift and lateral force from high winds.

Recently, our engineers have embarked on three-dimensional testing of full-scale buildings. This testing is helping clarify issues regarding allowable resistances of bracing methods under various load conditions.

We know our customers count on us to provide them with the most accurate test results, code approvals, high load values, ease of installation and design versatility—which is why we continue to invest in testing and product development. Because of this, when our customers see the Simpson Strong-Tie brand they don't just think of us as a manufacturer, but also as a research leader with the products and people they can rely on.