

"The Vector system drastically simplifies the installation of anchoring systems. By design, this system eliminates common anchor problems caused by poor soil conditions. The system is also cost effective."

Major Home Manufacturer

"Tie Down Engineering has developed a foundation system for the manufactured housing market that in both concept and performance, is different from the traditional foundation system. Testing has indicated that this new system, Vector Dynamics, is capable of resisting higher lateral loads than the traditional system."

Nationally Renowned Engineering Firm

"The most important element of the Vector System is safety. Consumers that purchase manufactured homes will be safer because of your efforts. Vector will heighten the integrity of manufactured home living."

Manufactured Home Distributor



How can I learn more about Vector Dynamics?

Contact the authorized distributor listed below or call Tie Down Engineering, Inc.



Manufactured Housing Foundation System



When security means everything...



TIE DOWN ENGINEERING, Inc.
255 Villanova Drive SW
Atlanta, Georgia 30336
800-241-1806
www.tiedown.com

What is Vector Dynamics?

Vector Dynamics, developed by Tie Down Engineering, is the trade name for the premier manufactured housing foundation system on the market today.

Who is Tie Down Engineering?

Tie Down has been in the manufactured housing industry producing ground anchors and other related tie down equipment for over 30 years. Tie Down is an innovative company using the latest in computer technology to provide quality assurance on all products.

Why should I use this system instead of traditional anchors?

Manufactured homes have greatly improved over the years, however, the traditional anchoring system has not changed in 30 years. There is now a heightened awareness among manufacturers, federal and state agencies, and consumers on how to provide a better foundation to the manufactured home owner. Tie Down's Vector System addresses the variables and problems associated with traditional ground anchor installations.

Is the Vector System really better than traditional methods used to provide windstorm protection for manufactured homes?

Yes. The Vector System has been proven to provide greater holding power than conventional anchor installations by a margin of 300%. It works by using the weight of the home and by connecting the home to the foundation pads much like a site-built home.

Can you be more specific?

In a traditional installation the home is set on loose pads. That is, the home is set on concrete blocks or metal piers, which are placed on some form of pad. The home is then tied to ground anchors on each side. When wind hits one side of the home, only the anchors on that side provide holding power while the other side does nothing.

All of the parts act independently and this creates many variables that can greatly reduce the holding power of the traditional system. The most common variable is the soil class which dictates the correct anchor to be installed.

These variables do not affect the performance of Vector because it is a complete system that transfers the force of the wind to the foundation pads. The pads have cleats that dig into the ground, or expansion bolts for poured concrete keeping the home securely connected to its foundation.

It sounds pretty technical. Am I going to have to hire a special installer to set up the Vector Dynamics System?

No. Vector Dynamics was designed to be easy to install in all soil conditions and the installer uses the same tools as in traditional anchor installations. In fact, it is much easier to install, as the installer does not need to use special testing equipment to test the soil in order to decide on the correct type and number of anchors to use for a particular installation.

Does this mean my home will not have any anchors?

A multi-section home in Wind Zone 1 requires no perimeter anchors to be used with the Vector System. On single section installations a minimal number of anchors are installed with the Vector System to resist over-turning.

How much more money will I have to spend for this superior protection?

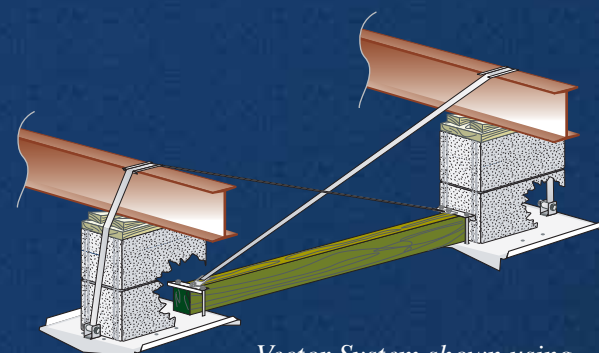
In most cases, the Vector System will cost the same or less than a conventional installation.

What makes Vector better than other "systems"?

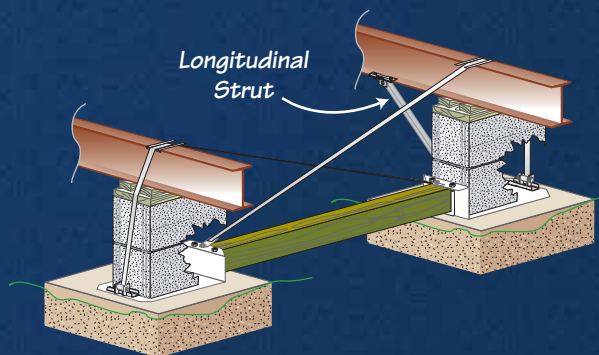
Vector is the only system that creates tension in the pier through the cross strapping, that prevents the blocks from sliding apart during a windstorm. When the Vector lateral and longitudinal ("LSD") components are combined, Vector provides superior protection against seismic forces.

What kind of testing has been conducted to prove this?

Over 250 tests in 20 states have been performed over a span of 6 years. State officials, government agencies, manufacturers, state inspectors, and engineering firms have all witnessed these tests.



Vector System shown using concrete foundation blocks. Metal piers can also be used.



Concrete Vector System shown using concrete footers.