

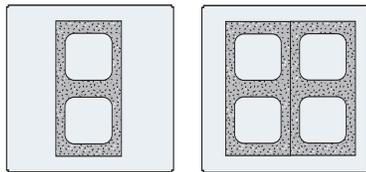
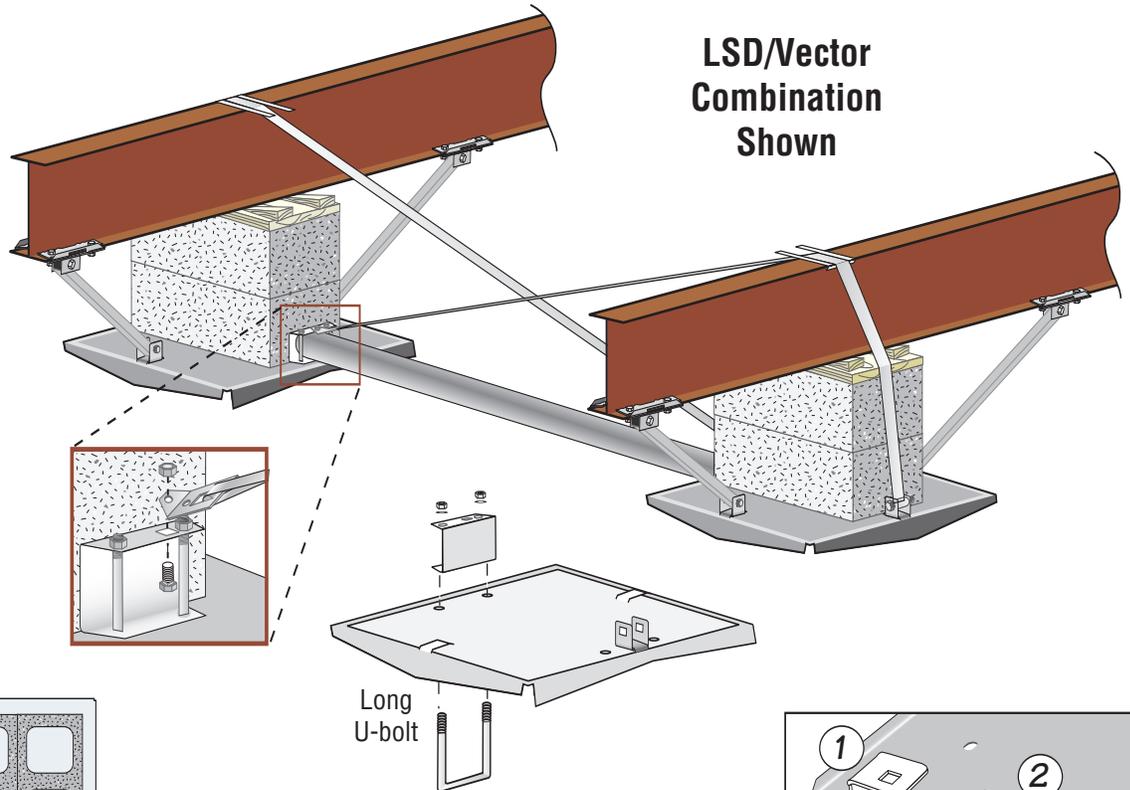
# Set-Up Instructions for the Vector Dynamics Foundation System with PVC adapter

## 1. SET VECTOR FOUNDATION PADS

Clear all organic matter and loose vegetation from the immediate area where the Vector foundation pads will rest. Place a long U-bolt on the Vector pads as shown. Vector pads are placed parallel and centered under I-beam.

*Tip:*  
Place a 3/8" nut on each U-bolt to keep it in place while you position the Vector pads.

*TIP:*  
After centering 1st block(s) over Vector pads, place wood cap on top of first block and use hydraulic jack between pad and I-beam to force pads into the ground. Higher pier sets may require extra block prior to using hydraulic jack.



Position 1st block(s) on pad as shown.

## 2. SET BLOCKS (OR PIERS) ON VECTOR FOUNDATION PADS

Center the foundation blocks over the Vector pads.

## 3. INSIDE CONNECTIONS

Insert 1/2" carriage bolt into square hole on top flange of the PVC adaptor. Place the swivel connector bracket that is attached to one end of the 1-1/4" galvanized strap and thread 1/2" hex nut onto carriage bolt (finger tight). Insert 4" PVC schedule 40 pipe into PVC pipe adaptor and insert over inside long U-bolt (through slotted holes). Attach 3/8" hex nuts to u-bolt and finger tighten. Repeat the procedure to opposite side of PVC pipe.

## 4. TIGHTEN INSIDE HARDWARE

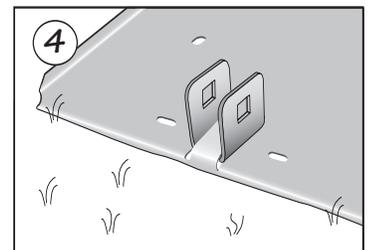
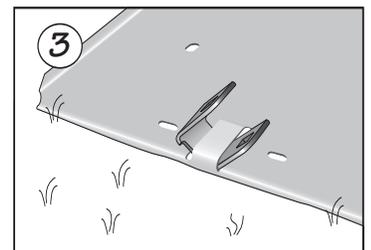
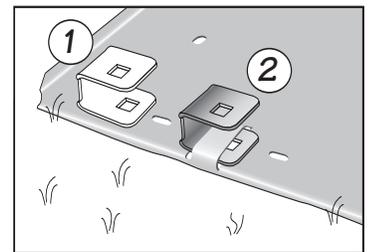
Tighten all previously finger tightened hex nuts (1/2" carriage bolts & 3/8" inside U-bolts).

## 5. OUTSIDE TENSION BRACKETS

Attach an outside tension bracket on the outside of the foundation blocks and Vector pads as shown on right.

## 6. TENSIONING - VECTOR STRAPS

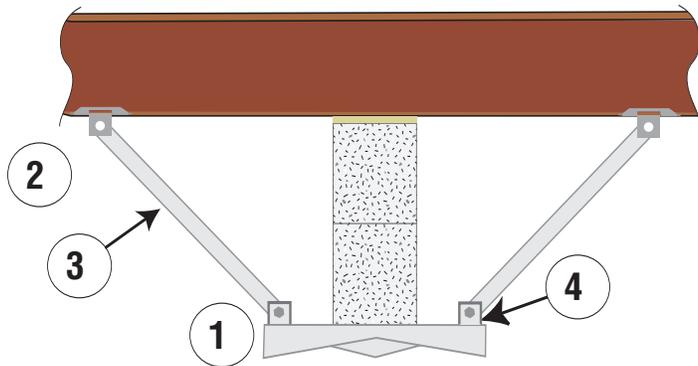
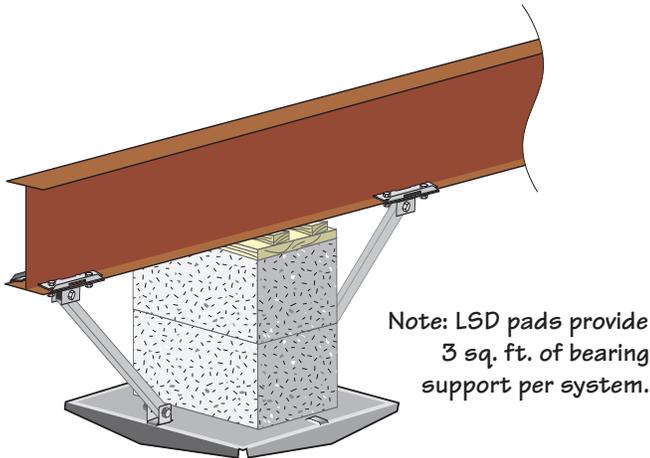
Pull strap past slotted bolt. Cut strap 10 - 12 inches past bolt, insert the strap into the slotted bolt until flush with opposite side of bolt. Wind strap a minimum of four or five (5) complete revolutions around the bolt. Continue tightening the slotted tension bolt until all slack has been removed and the galvanized strap is tight.



## Longitudinal Stabilizer Devices

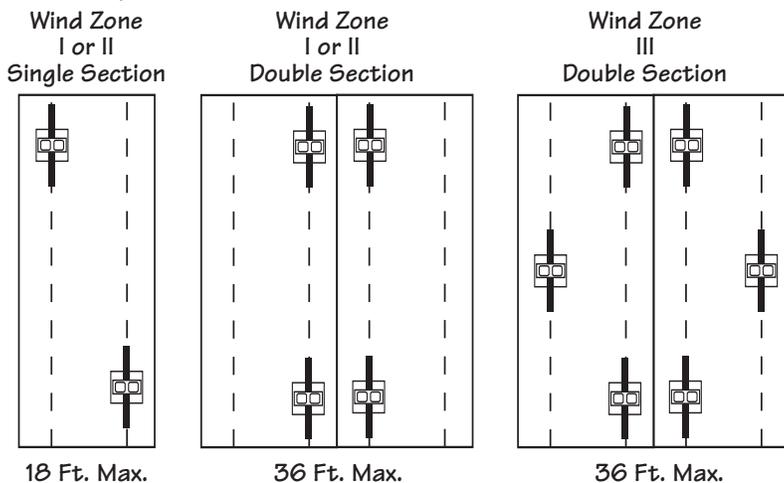
As an alternate to installing longitudinal anchors and stabilizer plates, the installer may use longitudinal stabilizing devices approved by the state and/or manufacturer\*, including Tie Down's LSD (Longitudinal Stabilization Device). The use of one LSD system per beam for a single section and two systems per section for a multi-section replaces all longitudinal anchors, stabilizer plates and straps in Wind Zones I and II. Three systems per section are required in Wind Zone III.

\* Verify approval requirements with the regulator and the home manufacturer.



1. Longitudinal Foundation Pad
2. Beam Clamp (2 per system)
3. Longitudinal Strut (2 per system)
4. Tie Bracket (2 per system)

### Examples of Possible Placement:



Part #	Description
59271	LSD Pad - 3 Sq. Ft.
59026	LSD Hardware Kit Includes- 2 tie brackets 2 beam clamps.
59016	Longitudinal Strut 30" for use up to 18" high piers (two block piers)
59012	Longitudinal Strut 39" for use up to 24" high piers (three block piers)
59013	Longitudinal Strut 44" for use up to 32" high piers (four block piers)
59014	Longitudinal Strut 53" for use up to 40" high piers (five block piers)
59015	Longitudinal Strut 65" for use up to 48" high piers (six block piers)

1. Determine where the Longitudinal Stabilizing Device will be installed on the home.
2. Place one LSD pad centered under the beam.  
Note: Press pad into the ground so that the cleats are below ground level.
3. Slide tie brackets into pad.
4. Build pier on LSD pads between tie brackets.
5. Attach one strut to each tie bracket.
6. Install beam clamps on either side of pier. Attach LSD struts to beam clamps and tighten all bolts.  
Maximum angle (from horizontal) of strut is 45 degrees.