Figure 3280.402(b)(3) – Test setup for roof trusses tested for uplift in the upright position.

- Roller or low friction pad placed between truss and hold-down bracket so truss is free to move horizontally.
- Hold-down bracket secured to shear beam gauge.
- Shear beam strain gauge or similar device secured to test machine or floor.
- Cylinder brackets.
- Wood block attached to truss kingpost.
- Kingpost secured to shear beam strain gauge or similar device.
- Hydraulic or pneumatic cylinders spaced 12 in. (305 mm) O.C.
- The truss shall be positioned so that the ends of the cylinder brackets (i.e., shoes) are the same distance (A) from both ends of the truss as shown in Figure 5.2.2.1.
- Deflections are read using a steel rule, dial indicator, or other suitable device, measuring the distance between a point marked on the bottom chord and the test machine base or other suitable support.