

HOW TO ENSURE SEISMIC CODE COMPLIANCE ON YOUR NEXT PROJECT



Mechanical contractors can perform another valuable service to their clients by working closely with them to assure full compliance under newly adopted requirements issued by the International Building Code (IBC) as they relate to enhanced seismic protection of buildings. In addition to mechanical engineers the IBC's tough new seismic regulations affect architects, engineers and business owners of commercial buildings.



Not only are the new requirements tougher, they extend to all geographic regions coast to coast – not just to known earthquake prone areas. And the code expands the definition of seismic events beyond earthquakes to include climate, geology and even geopolitical conflicts that might cause buildings to shake.

IBC's seismic provisions now relate to both structural and non-structural elements in any building's structure. As the code states, "Every structure, and portion thereof, including non-structural components that are permanently attached to structures and their supports and attachments, shall be designed and constructed to resist the effects of earthquake motions..."



Many contractors and building owners think they are immune from the new IBC regulations because they do not operate in earthquake prone regions of the country. Since the code now includes other causes precipitating a seismic-type event, that misunderstanding could cost them big-time, especially if liability emerges from non-compliance.

HVAC contractors now have an industry resource to assure compliance as it relates to seismic bracing of HVAC ducts, fire protection piping, electrical utilities and plumbing/piping systems. That's because a working alliance now exists between

Anvil® International, the world's largest manufacturer of pipe fittings, pipe hangers and supports, and ISAT (International Seismic Application Technology) to provide products and services for seismic applications.



Corporate Offices

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ISAT specializes in seismic restraint compliance for the ‘non-structural components’ cited by IBC. Anvil International’s product line is ideal for seismic bracing applications like those designed and applied by ISAT. Together the two companies can provide a complete package of bracing products, tailored design services and education to ensure efficient, cost-effective seismic compliance for any commercial building project.

The Anvil/ISAT seismic compliance process involves five steps:

1. Education: ISAT provides a comprehensive design manual written to answer all of the IBC’s new requirements. ISAT supplements its manual with on-site workshops and training.
2. Document Preparation: An assigned ISAT project manager prepares submittal documents tailored specifically to your project.
3. Layout: ISAT performs detailed seismic layouts in 2D and 3D formats that are then analyzed to determine the minimum amount of bracing and hangers needed for the project – saving money on material costs and labor. An engineer’s wet stamp is provided for all submittals and layouts.
4. Product Delivery: with seismic layouts in hand Anvil/ISAT pre-assembles all components, location labels them, and delivers to you in kit form with precise installation instructions.
5. Post-Delivery Follow-Up: The Anvil/ISAT team stays with you to project completion, providing additional guidance, education and customized engineering solutions as needed.

When it comes to seismic compliance the Anvil/ISAT partnership program provides the “smart solution.” To find out more call **866.316.7990** or visit **www.anvilintl.com/seismic**.



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