Product Data Sheet

SEISMIC & WIND COMPLIANT SYSTEMS

1. **Product Name**: SEISMIC & WIND COMPLIANT SYSTEMS
2. **Design Emphasis:** All MIRO products have the potential to be engineered and designed to be attached to the roof structure to meet seismic and wind up-lift codes.
3. **Manufacturer:** MIRO INDUSTRIES, INC.
   844 South 430 West, Suite 100,
   Heber City, Utah 84032
   Phone: (800) 768-6978
   Fax: (800) 440-7958
4. **Product Description**: An engineered stanchion support designed to meet project-specific criteria.
5. **Product Performance**: Anchored supports serve to keep the supported content (pipes, duct, electrical tray, etc.) vertically and laterally constrained, while allowing the supported component to move longitudinally, enabling free expansion and contraction of the supported component. The support is designed with a project-specific base arrangement to provide the required attachment to the structure to resist lateral, uplift and gravity loading to the frame. The project structural engineer is responsible for the design of the building structure and local reinforcement, where required, to withstand applied loads.
6. **Compatibility**: MIRO Seismic and Wind Supports will be designed and engineered to be compatible with all building constraints.
7. **Load Weight:** Seismic and Wind Supports are engineered to ensure member and component capacities and deflection criteria are not exceeded.
8. **Composition and Materials**: The support typically consists of three major components.: (1) Two hot-dip galvanized or stainless-steel stanchion bases with anchorage points designed per project specifications, (2) a braced strut assembly or hot-dip galvanized steel header, which his connected to the two stanchion bases, (3) A hanger system or tie down system, which will provide positive restraint in both the vertical and lateral directions, while allowing for some longitudinal expansion and contraction of the system supported.
9. **Size**: Seismic and Wind Supports are designed to project specific requirements. Where possible, a combination of stanchioned and free-floating supports are used to limit the number of roof penetrations, while meeting code minimums for applicable loading.
10. **Adjustable Height**: Seismic and Wind Supports, and their related configurations, allow for height adjustments as desired or required by the code or roof system. Each model can be configured to allow vertical and some lateral adjustment, as specified. Purchasers are to specify code design criteria, desired heights and spacing when inquiring about each project application.
11. **Installation Process**: (1) Locate the pipestand on the roof and anchor to the structure as specified (flashing and waterproofing of the roof surface is to be completed by others), (2) adjust the support to the desired height and to ensure even-load weight distribution among adjacent supports. Make certain the horizontal header is level. (3) Set the content in the support without dropping or causing any undue impact. Care should be taken during instillation to ensure each support carries a proportional and equal amount of weight.
12. **Spacing**: Space the supports as required by the project drawings. Do not exceed the specified load weight and make certain that each support is adjusted in height to evenly distribute the load among all supports.
13. **Availability**: Seismic and Wind Supports are marketed throughout the United States through representatives and distributors.
14. **Maintenance**: Normal maintenance is not required. Semi-annual inspection is required to check the alignment of the components being supported, to verify that weights are being distributed evenly, and to check for improper installation that may cause system failure or damage.
15. **Technical Services**: Please call MIRO INDUSTRIES, INC: (800) 768-6978 or visit our website *www.miroind.com* for technical information and for graphic and CAD drawing downloads.