

## HOW DO YOU PROTECT A 20 ACRE COMPLEX FROM LIGHTNING STRIKES?

*In an announcement from VFC, their Z-Pen Fastening System was used to prevent high voltage lightning strikes from damaging equipment and injuring employees at the massive, new State Farm office complex.*

TEMPE, AZ --(October 15th, 2014):: When Marina Heights (owned by State Farm) broke ground for a 2 million square feet, 5-tower building complex spanning 20 acres they knew the value of adding the VFC's *Z-Pen Fastening System*. VFC's system provides the most advanced lightning and transient current protection available. After all, who knows better the value of having the best lightning protection insurance, then the largest provider of car insurance in the U.S. and Canada than State Farm?

Damage costs from lightning and transient currents are estimated at 4 to 5 billion each year in the U.S. Transient currents cause extensive and irreplaceable damage to facilities, equipment and lost productivity. Lightning strikes average two to six miles in length and carry 100,000 Amps ~ 100 million volts. To be sure, State Farm and Meade Engineering Inc., the Electrical Engineer on the project, had great reason to protect the estimated \$600 million project.

Additionally, the three Electrical Contractors including Jenco Electric, Delta Diversified and Sturgeon Electric, handling different segments of the project each chose VFC as the lightning and transient current protection firm, because of their unparalleled ability to deliver the highest quality, technical expertise and products including the innovative *Z-Pen*...all with no increase in cost to the system.

The VFC *Z-Pen Fastening System* brings Lightning Protection Systems into the 21st Century. The *Z-Pen* system uses state-of-the-art architectural adhesive tapes with patent pending fasteners to ensure consistent appearance and long lasting adhesion. The system is, backed by a 10 year warranty. In addition, the *Z-Pen Fastening System* creates no support penetrations to any flashing or sheet metal surfaces, and is mounted to the surfaces with an attractive patented support clip. Using the patented clip leaves the surface smooth and clean improving design and appearance. Another added benefit is that it bonds and seals with only one application, eliminating drying time completely.

The 10 year warranty, aesthetics and the ease of use provide the five towers ranging in size from six to 17 stories with 38,000 to 42,000 square-foot plates secure and safe lightning and transient protection. Explore the benefits of the *Z-Pen Fastening System* across multiple applications overview video at: <http://www.z-pen.com/#youtube-video>

The VFC team prides itself on being the nation's leading innovator in lightning and transient current protection. Bill Stone, VFC Project Manager on the Mariana Heights, State Farm project stated, "VFC will go above and beyond for any Contractor and without back charges or change orders to get the job done right." The Marina Heights, State Farm project is slated for completion in 2017.

To specify *Z-Pen* on your next project visit: <http://www.z-pen.com/> and simply insert the paragraph into the Fastener Section of your Lightning Protection Specification.

With over 40 years as the nation's leading innovators in lightning protection, transient currents and grounding systems, VFC and Lyncole Grounding XIT deliver the highest quality of services and technical expertise fully protecting any facility.

For a complete VFC lightning and transient current protection, performance Specification, Z-Pen AutoCAD Details, or more information on Z-Pen contact us today 800-825-1948, email us at [sales@vfcinc.com](mailto:sales@vfcinc.com), or visit our website [www.vfcinc.com](http://www.vfcinc.com)