



MOST INNOVATIVE DESIGN AWARD
Commercial / NEW BUILD



2023 WINNER

ONE 22 ONE Tower
Nashville, TN



"We are proud to have partnered with Ryan Lee and the FZ Team
on a project of this caliber."

Bonded Lightning Protection, LTD. / Texas

From historical structures to modern high rises, the design and implementation of a lightning protection system is a team effort. The LPI wants to recognize those individuals and firms who work with our LPI Members to successfully design and integrate lightning protection systems into commercial and residential structures.

A Conversation with Bonded of Texas.

Bonded shares with us the importance of collaboration to overcome challenges and how Feyen Zylsta represents a "true partner."



Photo Credit: One22One.com

Q: How did your involvement with the nominee FZ begin?

A: Feyen Zylstra (FZ) is the definition of a true partner. FZ trusted Bonded early on, awarding us one of our first Tennessee lightning protection projects upon opening the Nashville division. Since then, we have built a solid foundation of reliability and trust to get the job successfully done together, as exemplified with the ONE 22 ONE project.

Q: What were the main challenges?

A: The main challenge was the timing of the lightning protection installation on the penthouse due to construction status. During submittal process, construction delays on the penthouse continued.

We faced another challenge in meeting the commissioning deadline. Scheduling was difficult in the latter part of the project and installing lightning protection on the curtain wall alongside other rushed trades, was challenging.

Q: How did you (FZ + Bonded) work together to solve those challenges?

A: Challenges were met head on with honest communication between our partner, FZ, and the design team. Together, we pivoted to resolve the penthouse issue, resulting in a cohesive design and compliant installation. Clear, upfront, and continuous communication with FZ was key to the success of this project. Jeremy Towles, Bonded's Division Manager, and Ryan Lee, FZ's onsite Superintendent, **relentlessly collaborated to complete the project by deadline.**

Q: How did the nominee (FZ) make this project successful?

A: FZ did their job well; they held true to their word, efficiently followed through on their responsibilities, and executed clear communication up and down the chain of command throughout the project.



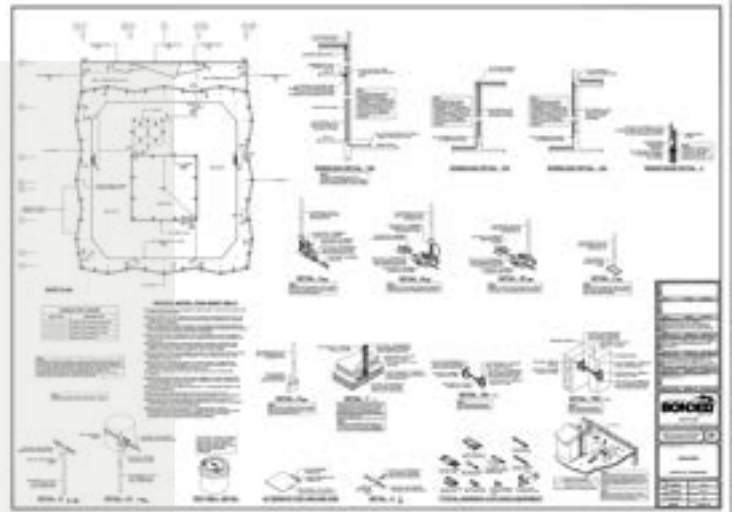
Photo Credit: Bonded Lightning Protection System, Ltd.

The LPI Most innovative Design Awards provide an opportunity to showcase industry partnerships, as well as emphasize the importance of *early collaboration* on projects to be successful.

It's Specific.

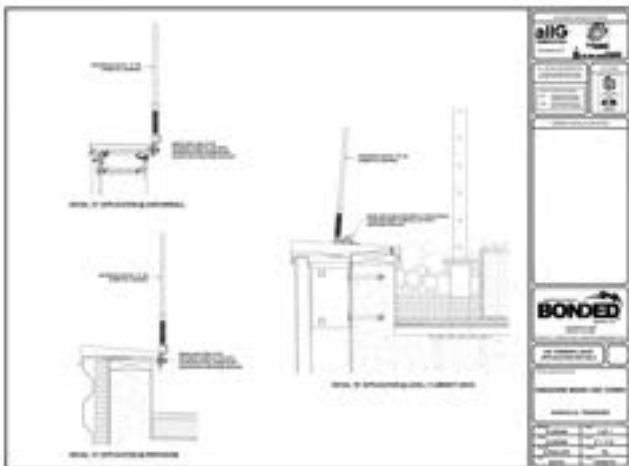
There is a misconception that a lightning protection system consists of a rod and a cable. A lightning protection system is very specific to each building or structure to ensure the proper function. As you can see from these specifications and drawings, there are many details - more than a rod and a cable.

The drawings specifically outline materials, component size and placement.



Below: **Specifics** outlined for the curtainwall, penthouse, and amenity deck. Depending on building architecture, roofing materials and other design challenges, there may be different parameters of installation for strike termination devices (STDs) - at different locations on the structure.

Right: For the curtainwall, materials and installation instructions *specifically* are called out. STDs to be secured to metal cap and sealed with urethane sealant.



Bottom Right: Installed Strike Termination Device to the Curtainwall.



Photo/Drawing Credits: Bonded Lightning Protection Systems, LTD.

For More Information on the LPI Award winners:

Feyen Zylstra

Electrical Design And Service Firm
Grand Rapids, MI (HQ)/Nationwide
<https://www.feyenzylstra.com/>

Bonded Lightning Protection Systems, Ltd.

Certified Lightning Protection Contractors
Argyle, TX
<https://www.bondedlp.com/>

The Lightning Protection Institute (LPI) is a national organization that leads the way in establishing the highest standards and guidelines for the design, installation, and inspection of lightning protection systems.
<https://lightning.org/>