

SLIMDUCT RD

Precise Lineset Protection & Management

Diana Place, Nyack's latest boutique apartment community, sets a new standard for sustainable living with its innovative approach to energy efficiency and comfort. With focus on providing residents with optimal temperature control while minimizing environmental impact, Diana Place offers one and two-bedroom apartments equipped with state-of-the-art HVAC systems.



Project Info

- Location: Nyack, New York, NY
- Building type: Residential
- Project type: New Building
- VRF Manufacturer: Mitsubishi
- Mechanical contractor: Valley Mechanical Services
- Master distributor in North America for Slimduct RD: MarketAir

Challenge

The installation of individually controlled HVAC systems in each apartment required meticulous planning and execution. With 26 apartments and shared spaces, Valley Mechanical Services needed to install 27 ductless units, with 2 or 3 zones depending on the apartment. With limited options to route the piping, installing them rooftop was the solution available. Furthermore, the necessity to protect and organize the piping efficiently was heightened by the plans to install solar panels on the rooftop.



James Bencivengo, managing partner at Valley Mechanical Services, state that “placing the pipes on the rooftop exposes them to the elements, posing a significant challenge”. Despite attempting various solutions such as fiberglass, plastic, and insulation, none proved effective. The persistent issue of crows pecking on the insulation compounded with the risk of damage from people stepping on the piping, leading to cracks and compromises in the system's integrity.

Solution

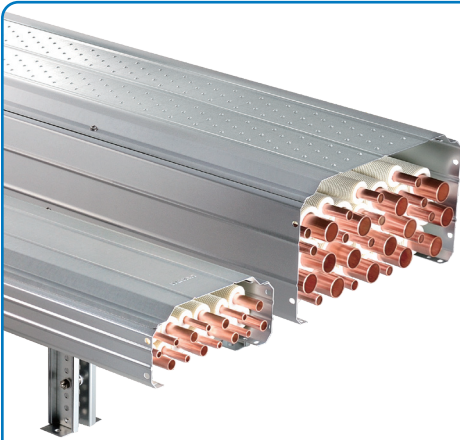
Facing challenges with insulation degradation due to environmental factors and the need for precise pipe management, **Valley Mechanical Services turned to Slimduct RD** for a comprehensive solution. Marketair, represented by Gerry Spanger, provided expertise and support throughout the project. Initial drawings were refined through multiple visits to the job site, ensuring that the chosen solution would meet the unique requirements of Diana Place. The **Slimduct RD covers emerged as the optimal solution** to protect the HVAC piping while facilitating efficient pipe management. Designed to withstand environmental elements and prevent damage from external factors such as bird activity and foot traffic, Slimduct RD covers provided the durability and reliability needed for the rooftop installation.



Learn more about
Slimduct RD

Outcome

The implementation of **Slimduct RD** covers at Diana Place proved to be a resounding success. Not only did the covers effectively protect the HVAC piping from environmental damage and wear, but they also streamlined pipe management, ensuring an organized and efficient installation. “I definitely recommend the RD enclosure, the project looked very neat and clean.”, said James.



SLIMDUCT™ RD

- Protects the lineset from mechanical and weather damage
- Preserves the energy efficiency of the air conditioning system
- Multiple fittings available for easy on-site customization
- Scratch and abrasion resistant
- Optional anti-slip Walkway surface allows workers to walk on the cover for easy access and maintenance
- Compact design uses less space than conventional racking systems

Providers Contact

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About

Valley Mechanical Services. Valley Mechanical Services Inc. serves both residential and commercial clients and offer a variety of money-saving solutions. We combine our use of the highest quality parts and equipment, and our dedication to delivering exceptional service to provide you with top quality service.

Marketair, was originally founded as a manufacturer's representative company by Gerry Spanger in April 1986, MarketAir, Inc. reinvented itself in January 2016 as an importer, exporter, manufacturer and distributor specializing in installation components and accessories for the HVACR industry. Amongst its products you can find Inaba Denko's LineBrace, RD, PD, MD and cover both ducted and ductless sectors.

Inaba Denko America, supplies HVAC accessories engineered by Inaba Denko of Japan and provides support for distributors and contractors throughout North America. Our brands represent quality, precision, and durability. Primary products include copper line sets, line set covers, drain hoses, and mounting systems, ideal for mini split, VRF, ducted, ductless and heat pump installations.



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