

New York City Office Building Saves 16 Inch Refrigeration Pipe with METALCLAD DuraWrap



This 16 inch fiberglass condenser discharge pipe, located in a large office building in lower Manhattan, developed a leak where the line joined the main header running just under the ceiling.

The leak had developed near an older repair close to the 'Y' connection on the header. Since the building provides cooling all year round, it does not have the luxury of shutting down its chillers to take the pipe out of service for an extended period of time.



The building's engineers contacted the ENECON Northeast Engineering Team to help find a cost effective yet durable solution. **METALCLAD DurAlloy** was recommended to repair the leak and the additional application of the **DuraWrap Carbon Fiber Pipe Wrap System** was used to provide added strength to this area of the pipe.

After identifying the exact location of the leak, the area was prepared by abrading the surface. **DurAlloy** and multiple layers of

reinforcement cloth were then used to make the repair.

The pipe was then primed using the **DuraWrapPrimer**. The carbon fiber fabric was thoroughly 'wetted-out' with the **DuraWrap Polymer** and then applied to the pipe.

The building's engineers were extremely happy with the results and continue to rely on the ENECON Northeast Engineering Team to provide solutions to all of their repair and maintenance needs.



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