# DATA CENTER'S RTU AND MAU REPAIRED AND PROTECTED WITH BELZONA

*ID: 7787*

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| Industry: | *Commercial Facilities* | Customer Location: | *Virginia, USA* |
| Application: | *HEX-Heat Exchangers* | Application Date: | *Summer 2017* |
| Substrate: | *Steel, concrete* | | |
| Products: | ** Belzona 1121 Belzona 3111 Belzona 3121 Belzona 3921 Belzona 5111 Belzona 5811 Belzona 6111 Belzona 9311 Belzona 9331 ,* | | |

### Problem

*Corrosion and failing existing coating on steel infrastructure, disbanding of a sump "bedliner" coating system, controls room having excessive condensation. Although specified to have R-20 insulation value, the units only had R-6 insulation value when installed.*





## Photograph Descriptions

* Showing damage on steel structure Steel structures repaired and protected with Belzona 5111 and Belzona 6111 Cooling tower sump seams repaired with Belzona 3121 and protected with Belzona 5811 Insulation installed and encapsulated with Belzona 3111 ,

## Application Situation

6 Air Handler Package Units (RTU) and 1 Makeup Air Unit (MAU) located on a rooftop of a data center.

## Application Method

The steel structure was clean blasted to remove the loose and damaged particles. Achieving a white metal finish with a 3-5 mil profile.  The surface was rebuilt where needed and coated with Belzona 5111 and 6111. The cooling tower sumps were first cleaned by removing the "bedliner", the surface was then abrasive blasted. The leaks were repaired with Belzona 1121. The seams were sealed with Belzona 3121 and the entire surface was then coated with Belzona 5811 to provide a cohesive chemical and water-resistant coating. R-20 insulation was installed and encapsulated with Belzona 3111.

## Belzona Facts

The Customer was already familiar with Belzona and had the confidence in the proposed solutions.