



Location

100 Lakeside Avenue East,
Cleveland, OH

Engineer

Karpinski Engineering
Cleveland, OH

Installing Contractor

Coleman Spohn, Mechanical
Inc., JV, CSMI, Cleveland, OH

Construction Manager

Turner, Ozanne, VAA,
A Joint Venture

The RLD Project Team

Josh Looper, PE
John Emmendorfer
Mike Kennedy

Challenge

The city of Cleveland was chosen as the site for the Republican National Convention in 2016. However, the hotel itself was only 40% designed when the project bid was accepted. To have this hotel operational for the convention required a strong collaboration effort between all the different stakeholders, leaving very little room for error.

Why R.L Deppmann?

Trust was an important part of the decision to go with Deppmann. This project required the construction to start before the HVAC, steam, and hydronic system designs were completed. The engineer chose to consult with the Deppmann engineering sales team to ensure that the solutions would perform as needed and be implemented within the required timeline. In essence, the engineering team had the confidence that R. L. Deppmann would get it right the first time and deliver as promised for a fair price.

Solution

R. L. Deppmann provided the knowledge needed to meet the equipment pressure requirements of this multi-zone high-rise design. We provided high-pressure **B&G GPX Plate Exchangers** for the CHW system and **B&G SU Shell & Tube Converters** for the district steam-to-water heating system. The large pressure differences across the exchangers required expertise.

The Deppman engineer was very conscious of **energy recovery**. He used his deep knowledge of heat transfer and steam to suggest modifications to a **Cemline Condensate Heat Recovery Tank** with **B&G TC tank heater** that improved the energy recovery over traditionally supplied designs.



"Working with RLD was critical in the design of the custom heat recovery tank. They were a design assist partner who helped create a solution for our process of recovering heat for snow melt and domestic hot water, while cooling steam condensate."

- James Dudt, Karpinski Engineering

