

What We Wish Everyone Knew: Using Commissioning Discoveries to Make Designs Better

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Abstract:

A review of the most common and significant design issues encountered while commissioning, with recommendations for design engineers on how to proactively identify and avoid similar situations. Topics covered will range from simple maintenance access concerns (filter changes are important!) to how certain design choices can lead to needing extra freeze protection. The presentation format will be set up to give audience members regular opportunities to interact by trying to identify the issue (or issues) demonstrated by a specific example.

Presenter Biography:

Nate has been with Taitem since 2007 and commissioning buildings (his area of expertise) since 2008. In 2020 Nate was recognized as one of the top 20 young commissioning agents in the US by the Building Commissioning Association. Although his primary focus is Commissioning, Nate began at Taitem in the Design department and continues to support design with reviews, and the occasional design. He has extensive energy modeling experience, performed numerous energy audits, conducted energy audit trainings, and has performed quality assurance site inspections and energy reduction plan reviews. Nate is also involved in many of Taitem's measurement and verification projects, including verification of savings from novel new technologies such as air-to-water heat pumps and packaged through wall high efficiency heat pump PTAC replacements. In addition to his Professional Engineering License, Nate currently holds certifications as a Certified Commissioning Professional and an Existing Building Commissioning Professional. He holds a BS in Mechanical and Aerospace Engineering from Cornell University.

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