

## **Brazenhead Irish Pub Retro-Commissioning**

*Mason, OH*

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**Commissioning Completion:** 2006  
**Size:** 16,000 SF



### **Project Description**

The Brazenhead Pub is multi-level restaurant and pub (basement, first floor, second floor). It was commissioned for business in November 2005 following a renovation, which included addition of new HVAC equipment. After complaints of condensation issues, it was determined the HVAC system should be retro commissioned to validate the system design and improve system performance.

As part of its commissioning services, Tri-Tech performed field examination of the existing building, equipment, and measurable operating parameters. Tri-Tech created a testing checklist and implemented field tests to determine how the system was operating. Tri-Tech also obtained building drawings to evaluate the design and equipment selection.

Following its completion of the field testing, design verification, and overall analysis, Tri-Tech provided a commissioning report to the owner.

Tri-Tech found multiple deficiencies in both the equipment installation and application. These deficiencies included improper air balancing, installation of undersized equipment compared to the design, and inadequate coil capacity to control space humidity.

As a result of Tri-Tech's commissioning report, the building owner corrected the system deficiencies in the exhaust and air conditioning systems at no additional cost from the original equipment installers. The corrections resolved the complaints and original environmental concerns.