

# HEI e-news

DECEMBER  
2013

## HAPPY HOLIDAYS FROM HINKEL ENGINEERING

*As a firm, our experience ranges from applications for general offices, retail, assembly spaces, healthcare, nursing homes, education (daycare through post secondary) and industrial /*

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## Kent State University – Main Campus

Both students & faculty started the Fall semester with new research labs, IT labs, large conference rooms and professor offices as a result of an approximate 20,000SF renovation project on the 3<sup>rd</sup> Floor of the Main Library.

The scope of work area also included specialty areas such as a museum prep room, art studio and large exhibit area which doubles as the main reception area located directly off of the elevator lobby.

Hinkel Engineering designed all new air distribution downstream of the associated existing central air-handling units which remained for reuse. The HVAC system also consists of new VAV terminal units, perimeter hot water radiant ceiling panels and fume hood exhaust systems.

Diffuser style and placement was a design challenge in the specialty areas where ceilings were constructed of both wood paneling and recessed lay-in acoustical tiles.



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Dan Evans has recently been certified in Green Plumbing Design (GPD). Dan completed a two-day workshop in Orlando, Florida where he learned the skills necessary to design systems that conserve and protect water supplies and reduce energy consumption in the delivery and use of water. During the two days, he learned about commercial and residential plumbing conservation measures, solar heated water system design and installation, water and energy efficient technologies and products, and system sizing calculations. After the completion of the workshop, Dan passed a 50 question exam to become a certified Green Plumbing Designer.



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