A winning solution!
The Institute of Culinary Education challenged foodservice consultant Jacobs | Doland | Beer along with TPG Architects and AMA Consulting Engineers to design their new culinary teaching facility and Gaylord Industries provided a winning solution.

It all started in 2010 for Robert Doland FCSI. With an anticipated 2015 opening, Doland had a challenging project on his desk from the Institute of Culinary Education. The brief: design a 74,000 sq ft facility over a single expansive floor located in lower Manhattan. The reason: to celebrate the Institute’s 40th anniversary.

“One of the main challenges of this complex project was also its most enduring quality, the location,” says Doland, “initially designed as office space, it was not well suited for the extreme mechanical requirements of a huge foodservice facility. Space, utilities, gas, grease traps and exhaust were especially challenging for this project.”

A SMARTER KITCHEN IS IN THE AIR
Gaylord Industries’ ELX hood has the lowest air volume in the industry as tested to ASTM 1704 requirements by Fisher Nickel, Inc. The nearly 25% reduction in hood noise over industry standards creates a quieter, more comfortable and productive teaching kitchen environment. “When I was working on ICE’s kitchen designs,” said Richard Simpson, the school’s vice president of Education, “creating an optimized learning environment was a primary concern and ambient noise was a big factor; all our kitchen refrigerators use remote compressors to minimize noise and I wanted to make sure that the hoods were also as quiet as possible. The ELX hoods have helped us to meet that goal.”

EFFICIENT DESIGN
“Most students and instructors don’t think about kitchen hoods because they hide in plain sight,” said Simpson, “but their energy consumption is significant. Reducing our energy footprint was an important part of our design goals and the ELX & AirVantage system has been an integral part of achieving that goal. Monitoring has confirmed a 74.6% reduction on supply and exhaust fan energy consumptions and a net 48% reduction on the total exhaust rate designed at 50,030 CFM producing an estimated $40,000 annually in fan energy savings, not including space heating and cooling costs.”

Like clean air, for instance. Or energy costs that are cut with overall airflow savings. Or the peace of mind that comes with knowing no one solves ventilation challenges like Gaylord. Just ask the chefs at the Institute for Culinary Education. With 41 kitchen hoods, 1 exhaust source and 3 make-up air units, we found the perfect solution. Breathe easy at gaylordventilation.com | 800.547.9696

It’s what you don’t see that matters most.