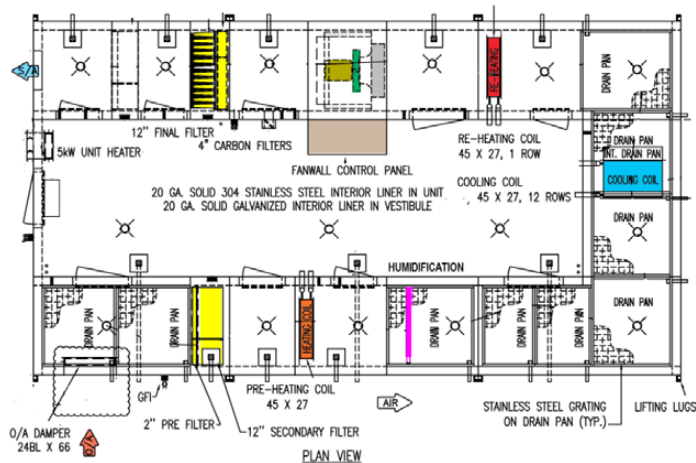


# College of Nanoscale Science and Engineering

University at Albany – State University of New York



U-shape design with stainless steel tunnel design. Unit size 25' (L) x 14' (W) x 9' (H).

## Project Background

The College of Nanoscale Science and Engineering (CNSE) of the University at Albany–State University of New York (SUNY) is a global education, research, development and technology deployment resource in nanotechnology. Ventrol supplied a sectional rooftop air handler for a cleanroom installation on campus in 2012.

The unit was originally designed as a knock-down rooftop unit because access to the roof was limited due to the crane pick. Helicopter lifts were ruled out due to a nearby operating chip fab building that couldn't shut down. The contractor found a crane with a large enough reach to lift the smaller sections of the Ventrol air handler onto the roof curb.

## Equipment Profile

- Cleanroom rooftop unit with third layer roof system with center vestibule
- U-shape tunnel design with 6,150 cfm @ 7.12" TSP delivered by a three-FANWALL<sup>®</sup> array with individual VFDs for full system redundancy
- Stainless steel interior including floor grating, EMT conduit, floors and liners
- 4" hybrid foam thermal break technology, drainable welded floors
- Multiple levels of filtration, including gas phase; integrated adiabatic humidification

## Key Benefits

- FANWALL TECHNOLOGY<sup>®</sup> maximizes uptime with airflow redundancy. "Near Zero" pressure drop backdraft dampers allow for fan isolation without air recirculation
- Sectional construction enables unit sections to be lifted into hard-to-reach places
- Stainless steel construction holds up against wash-down environment for long life



Ventrol rooftop air handler serving cleanroom environment with FANWALL TECHNOLOGY<sup>®</sup>.

## Project Team

SUNY – Owner

MCD Mechanical – Installing Contractor

R. F. Peck Co. – Nortek Air Solutions Representative

## Benefits at a Glance

- Ease of installation
- Redundancy
- Space savings
- Corrosion resistance
- Energy efficiency
- Low maintenance



Ventrol sectional unit construction makes installation possible in hard-to-reach places.