

**CLIENT**

**CONFIDENTIAL**

**LOCATION:**

New York



Air Handling Unit

Air Cooled Condensing Unit

Air Handling Unit

**CONSTRUCTION VALUE:**  
\$600,000

**DESIGN START:**  
2002

**DESIGN COMPLETE:**  
2002

**CONSTRUCTION COMPLETE:**  
2003

### **SCOPE OF WORK**

Design MEP for Media and Solutions Staging Room.

### **PROJECT DESCRIPTION**

The area required the space temperature and humidity to be controlled and monitored within the range of 15°C-30°C and relative humidity between 30%-50%. Since the Chilled Water was not available year round, a new self contained Air Handling Unit with DX coil, steam heating, humidifier and reheat coil was installed in machine room and the air-cooled condensing unit was located on the Roof. A new steel dunnage was provided to support the air-cooled condensing unit on the Roof. A direct digital control (DDC) system was installed to control the temperature and humidity of the space.

The 10,000 CFM Air Handling Unit was designed so that the unit supplies 2000 CFM and bypasses 8,000 CFM. In future, when the area becomes class 100K, the same unit will detain 10,000 CFM to satisfy the cGMP requirements. The system was installed and validated successfully.