San Francisco Museum of Modern Art (SFMOMA)

San Francisco, CA

Project Type

Museum

Size

250,000

Services Provided

Full design of HVAC, plumbing, and energy management & control systems.

Completion Date

2015

Owner

SFMOMA

Architect

Snøhetta, EHDD

Contractors

General: Webcor Builders
Mechanical: Critchfield Mechanical Inc.

References

SFMOMA: Jeff Phairas (jphairas@sfmoma.org)
TJ Reagan: Terry Reagan (terry@tjreagan.com)
Snøhetta: Lara Kaufman (lara@snohetta.com)
Webcor: James Roux (jroux@webcor.com)
CMI: Tim Trias (ttrias@cmihvac.com)

LEED Certification

2009 NC Gold (Pending)

The SFMOMA expansion project encompassed the addition of a 10-story high-rise building with an atrium to the existing museum building. In order to make this change the administration wing of the museum was demolished to make way for the new, awe inspiring, building. The elements of the building curated by Taylor Engineering HVAC design include galleries, a theater, administration, library, café, event space, retail shop, art conservation studio, and storage area.

Creating stable conditions to protect the world renowned artwork on display and in storage at SFMOMA was one of the primary design goals for this project. Coupled with this vision, Taylor Engineering also embraced the museum's aggressive energy performance goals, achieving compliance with the City of San Francisco's green building ordinance.

Traditional indoor environmental criteria in museums demand a high energy input to maintain very tight conditions. Taylor Engineering worked with curators to establish a relaxed set of environmental constraints that were aligned with current trends in art preservation. The new system design includes an innovative dual fan dual duct VAV air distribution system with a central direct evaporative humidifier that results in zero added energy use for humidity control.