

## Project Information

### Disciplines

- Telecommunications
- Audio Visual
- Project Management

### Project Size

- 236,000 Sq. Ft. Building

### Project Cost

- \$123M



## University of California, San Francisco

### *Cardiovascular Research Building, Mission Bay Campus*

#### Project Description

The newest building on the UCSF Mission Bay Campus is a state-of-the-art research facility, hosting UCSF's renowned Cardiovascular Research Institute. The building is designed to promote the multidisciplinary approaches and collaborations that are at the core of UCSF's research efforts. The building includes a clinic and a vivarium.

As a UCSF trusted vendor, Salas O'Brien was asked to provide highly detailed and technical design work in four major areas:

**Structured Cabling** – Specialty cabling with fiber to the desktop, cabling for wet and cold locations, high density reconfigurable lab benches, wireless access points, and singlemode and multimode fiber optic backbone cabling.

**Data Center** – The design of the data center utilized 3-D modeling for coordination between all disciplines. As a high-density facility, the data center was designed for high-computational support and scalability:

- 400W per square foot
- Water-cooled cabinets with a maximum of 14kW heat dissipation
- Fiber and copper cabling to each server cabinet location
- Scalable to 40 Gigabits per second

**Audio Visual** - AV systems include telemedicine, presentation, collaboration; the video and audio conference systems were designed for:

- Dual-screen videoconference and collaborative conference room
- 80-seat meeting and seminar room with IP-based conferencing to the UCSF Parnassus campus
- Eight conference rooms with user friendly interfaces
- Digital signage, video-on-demand and streaming video technologies.

**Program/Project Management** – The most important part of the project at Cardiovascular Research Building (CVRB) was the Salas O'Brien's comprehensive program management and coordinated effort. The firm provided high-level direction for the design team, the cabling contractor, the electrical contractor, the AV contractor, network engineers, and user groups. These efforts paid off by steering this complex technology project to a highly successful completion.

