

US DEPARTMENT OF THE NAVY

BUILDING 33 RENOVATION
WASHINGTON NAVY YARD, DC



Overview

This project involved the adaptive reuse of a 150-year old historic building, converting a high-bay ship's gun component manufacturing plant/storage facility into a 165,000 sf administrative facility located in the historic Sanger Quadrangle.

This project received the 1999 Commander's Award for Design Excellence and the 1999 Washington, DC AIA Merit Award for Building 33 and Quadrangle Buildings at Washington Navy Yard and was acknowledged by NAVFAC command as a "Sustainable Design Success Story."

Project Highlights

- Design included a unique, freestanding insertion of three new floors in the south and west wings.
- Features sustainable and environmental design concepts, including lifecycle costs analysis of major mechanical systems; commissioning of new systems; and challenging design criteria for lowering electrical lighting loads, resulting in reduced HVAC loads.
- Features skylights on the 4th floor, where there are no windows, in order to create usable space, enhance user comfort, and save lighting costs.
- Includes the design of SCIF's and strong rooms to accommodate flexible, multipurpose space that allowed for communication system control and expansion.
- Includes several clean rooms for computer and data systems, including in secure areas.
- Includes a state-of-the-art teleconference facility with multimedia production and video conferencing capabilities situated atop a low profile raised floor that offered a wide range of communications cabling options for the end users.
- Features raised floor wire management system throughout the facility in order to enhance future building flexibility.
- Additional projects included the design of a new, three-story link connecting Building 33 to three other structures; improvements to utilities, walks, and landscaping; and removal of hazardous materials.

