PLANT RESEARCH AND ADMINISTRATIVE OFFICE BUILDING
Cary Arboretum of the New York Botanical Garden

Millbrook, New York

Building Type:	Laboratories, herbarium and administrative offices
Overview:	Programming and design of the interior fit-out of a prototype building, designed to minimize environmental impact, use sustainable resources and energy efficient building systems. Building area: 27,400 SF, of which 18,000 SF is underground.

Construction Photograph

A provision of Mary Flagler Cary's will formed a charitable trust to administer the Cary estate in perpetuity as a bird sanctuary and arboretum. The New York Botanical Garden, acting for the Cary Trust under the terms of a 10 year agreement, established the sanctuary and arboretum, and developed the research and educational infrastructure necessary to fulfill the Trust's mission.

Administrative Offices

Role: Project Interior Designer

The success of this project was the result of close coordination and collaboration between architect, engineers, interior designer and future building occupants. The scope of work included space planning and interior design to provide a comfortable feel in the underground laboratories and herbarium spaces, design of the artificial lighting system, custom wood furniture, specification of furniture and equipment manufactured from sustainable materials, and the design of insulating panels covering windows and skylights that also function as sound absorption.

The project's innovations included an active solar heating system and hot water storage, coupled with a ground water source heat pump for environmental comfort; daylighting coordinated with artificial lighting for energy efficiency; rain water and gray water recycling; education of the construction workforce; and occupant education and participation in the building's performance.

This project appeared as the cover feature article in The Designer *(January 1978) and* Solar Age *(April 1979) magazines.*

D:\\dos\bus_dev\project_profiles\CaryArb.odt