

INTEGRATED SCIENCE CENTER | COLLEGE OF WILLIAM & MARY WILLIAMSBURG, VIRGINIA

BUILDING STATISTICS

- Building Occupant: Biology, chemistry, and psychology departments
- Size: Expansion - 120,000 GSF
Renovation - 41,000 GSF
- Number of Stories: 3 stories plus a mechanical penthouse story above grade and one story vivarium below grade
- CM: Gilbane Building Company
- Design Team: Moseley Architects, Payette Architects, SST Planners
- Dates of Construction: January 2006 - March 2009
- Project Cost: \$42 million
- Project Delivery Method: Design-Bid-Build for a CM at risk



ARCHITECTURE

- 2 phase project: the addition of the 120,000 s.f. ISC building to existing Roger's Hall followed by the renovation of Roger's Hall
- Both buildings contain classrooms, teaching and research laboratories, and faculty offices
- Vivarium located on ground floor of ISC includes animal holding and testing rooms
- Auditorium at East end of Roger's Hall
- ISC building's appearance and façade designed to match the brick style and color seen throughout campus
- Brick veneer/metal stud exterior walls
- Stimulated slate roofing

STRUCTURAL

- Steel structure provides long spans and column free spaces
- 14" thick concrete perimeter wall continuous around perimeter
- Various sized footings from 4'-0" x 4'-0" to 8'-0" x 8'-0"
- 6" concrete slab-on-grade
- Supported floor system consists of a 5" lightweight concrete slab on 1-1/2" 22 gauge composite deck
- W18x35 and W12x16 are the most typical transfer beams
- Columns vary from W10x33 to W12x65

MEP SYSTEMS

- 4th floor penthouse of the ISC building contains 5 AHUs with up to 40,700 max cfm
- Roger's mechanical room holds 2 AHUs with a max of 29,900 cfm
- Two 480V boilers located in boiler room along with an expansion tank and various heat pump
- Specialized laboratory features including a lab waste neutralization system and lab/acid waste piping
- Different sized fluorescent and HID lamps for various lighting fixtures
- 2000 kVa transformer is located on the ground floor of the ISC building