

KOSHLAND INTEGRATED NATURAL SCIENCE CENTER

HAVERFORD COLLEGE, HAVERFORD, PA



PROJECT OVERVIEW

- TOTAL SQUARE FOOTAGE : 185,423
- 4-STORY EDUCATIONAL BUILDING
- SPACES INCLUDE LABORATORIES, CLASSROOMS, & OFFICES
- TOTAL PROJECT COST: \$42.6 MILLION

PROJECT TEAM

- OWNER: HAVERFORD COLLEGE (PHYSICAL PLANT)
- ARCHITECT: AYERS/SAINT/GROSS (ASG) ARCHITECTS & PLANNERS
- ENGINEER: CUH2A
- GENERAL CONTRACTOR/CM: SKANSKA USA BUILDING, INC.
- LABORATORY PLANNER: EARL WALLS ASSOCIATES

ARCHITECTURE

- DESIGNED TO BE A “LABORATORY OF THE 21ST CENTURY”
- SPIRAL STAIRCASE AS CENTRAL CORE OF THE BUILDING WITH CANTILEVERED STAIRS
- DIRECTLY CONNECTED TO THE EXISTING SHARPLESS AND HILLIES HALLS

STRUCTURAL

- SUPERSTRUCTURE: PRECAST CONCRETE FRAMING
- FOUNDATION: CMU BLOCK WALLS/RETAINING WALLS
- FLOOR: 10” HOLLOW CORE PRECAST PLANKS W/2” TOPPING
- ENVELOPE: STONE & BRICK FAÇADE/WHITE PRECAST CONCRETE PANELS
- ROOF: STEEL FRAMING W/METAL DECK

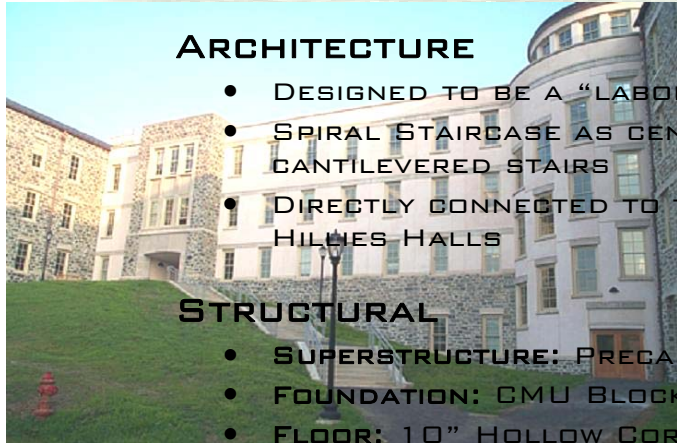
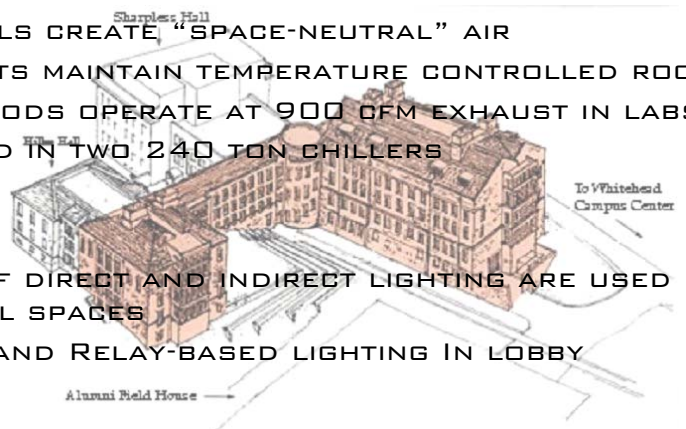


MECHANICAL

- ENERGY WHEELS CREATE “SPACE-NEUTRAL” AIR
- FAN-COIL UNITS MAINTAIN TEMPERATURE CONTROLLED ROOMS
- 110 FUME HOODS OPERATE AT 900 CFM EXHAUST IN LABS
- WATER STORED IN TWO 240 TON CHILLERS

LIGHTING

- VARIATIONS OF DIRECT AND INDIRECT LIGHTING ARE USED IN ALL COMMUNAL SPACES
- PHOTOCELLS AND RELAY-BASED LIGHTING IN LOBBY



Chris Shelow