Project Description

The Medical School proposes a renovation of approximately 68,000 gross square feet in the east wing of Building 20 in the North Campus Research Complex. The infrastructure of the east wing is original to 1956 when the building was constructed, and the systems will be brought up to contemporary standards for interdisciplinary biomedical research. The renovation will update infrastructure, including new air-handling units; primary heating, ventilation, and cooling distribution systems; plumbing and renovated toilet room facilities; accessibility improvements; and wired and wireless high-speed network access. The east wing’s wet laboratory spaces, last updated in 1995, will receive minor upgrades and new finishes.

Energy Efficiency Measures

The Building 20 East Wing renovation design focuses on maximizing energy efficiency and incorporates numerous energy conservation measures, including:

- Adding low flow fixtures in toilet rooms
- Adding run-around energy recovery coils between exhaust air and supply air
- Redundant air handling units operating simultaneously for reduced AHU air velocity and reduced pressure drop.
- Lab hood sash stops installed on all hoods reducing the design face area in lab spaces for reduced airflow.
- Energy efficient lighting fixtures with energy saving lamps and electronic ballasts
- Occupancy sensors to reduce lighting energy usage when rooms are unoccupied
- Use of energy-reducing “Energy Star” products
- Use of variable frequency drives for mechanical equipment to reduce energy consumption

Project Data

- Budget: $17.5 M
- Schedule: TBD
- Square Feet: 68,000 gsf