

## Ross School of Business Executive Dormitory and Sam Wyly Hall Renovations



### Project Description

This project will renovate approximately 134,000 gross square feet of existing space by replacing end-of-life infrastructure, addressing deferred maintenance such as replacement of the majority of mechanical, electrical, and plumbing systems within the facilities and bringing the building up to current safety and accessibility codes. In addition, the extensive nature of the infrastructure work will allow for the Ross School of Business to undertake a needed modest renovation for the guest rooms and other administrative, operational, and meeting spaces.?

### Energy Efficiency Measures

- Replaced air handling units will incorporate energy recovery.
- Energy recovery ventilator (ERV) installed to provide pre-conditioned fresh outdoor air in the guest rooms.
- Replaced air handling units will include a preheat coil to provide a fan speed turndown of 30%.
- Replaced pumps will include variable frequency drives (VFDs) or electronically commutated (EC) motors.
- Constant volume systems will be replaced with variable volume systems where available (i.e., Guest Room Fan Coil Units).
- Guest room fan coil units to provide temperature setback tied to both the existing Building Automation System (BAS) and hotel management system (guest room occupancy system). This will allow unoccupied guest rooms to set back temperature when rooms are empty.
- All guest room fan coil units will have ECM motors for better fan energy performance & quieter operation.
- All new equipment with hot water coils will be sized for an entering water temperature of 115 °F in anticipation of future improvements to the University's existing central plant (e.g., conversion from steam to medium/low temperature heating hot water or geothermal).

### Other Sustainability Features

- Interior renovation reusing existing the buildings the existing structural and other selective systems reducing embodied carbon emissions as compared to constructing a new building.
- Public and guest room plumbing fixtures will be replaced with low-flow, water-sense fixtures to reduce water consumption.
- Bottle refill stations will be provided to promote reusable water bottles.
- Low VOC adhesives, sealants, coatings, paints, and flooring systems.
- Materials that contain recycled content to be used when possible.
- Construction waste to be diverted from landfill whenever possible.