Nguyen Engineering Building

1. DIVERSE USES:
The building is located within a half-mile walking distance to over 10 amenities including retail stores, child-care, schools, and recreation centers. This allows for reduced need for vehicle use for Patriots, creating a user-friendly, walkable community.

2. LANDSCAPING:
The development of this building ensured that over 40% of the previously disturbed site area was restored with native vegetation, suitable to the Occoquan River location and environment.

3. REFLECTIVE ROOF:
High solar reflective index (SRI) materials were used on the roof and for site surfaces that would otherwise contribute to the heat island effect, a phenomenon that warms up cities attributable to the dark surfaces of many building roofs.

4. WATER EFFICIENCY:
This building reduces water consumption by more than 42% compared to a typical housing facility due to the use of water saving fixtures, such as EPA WaterSense certified showers, toilets, and showers. Patriots can further reduce water consumption by turning off faucets when not in use and reporting any dripping faucets to Facilities.

5. ENERGY:
In order to reduce Mason’s energy usage and carbon footprint, this building uses 18% less energy than the average building due to a high-efficiency heating and air conditioning system, energy efficient appliances, as well as the use of natural sunlight and LED lighting.

6. RECYCLED MATERIALS:
Nearly 80% of the materials used in the construction of this building came from pre- or post-consumer recycled materials.

7. QUALITY VIEWS:
The building was designed and developed with beautiful views of the Occoquan River and Belmont Bay. The placement of glass around the building was designed so Patriots can feel completely immersed in the natural environment in this very unique space.

WEBPAGE
UNDER CONSTRUCTION:
CHECK BACK 9/9/19

For more information about sustainability at Mason, please visit GREEN.GMU.EDU