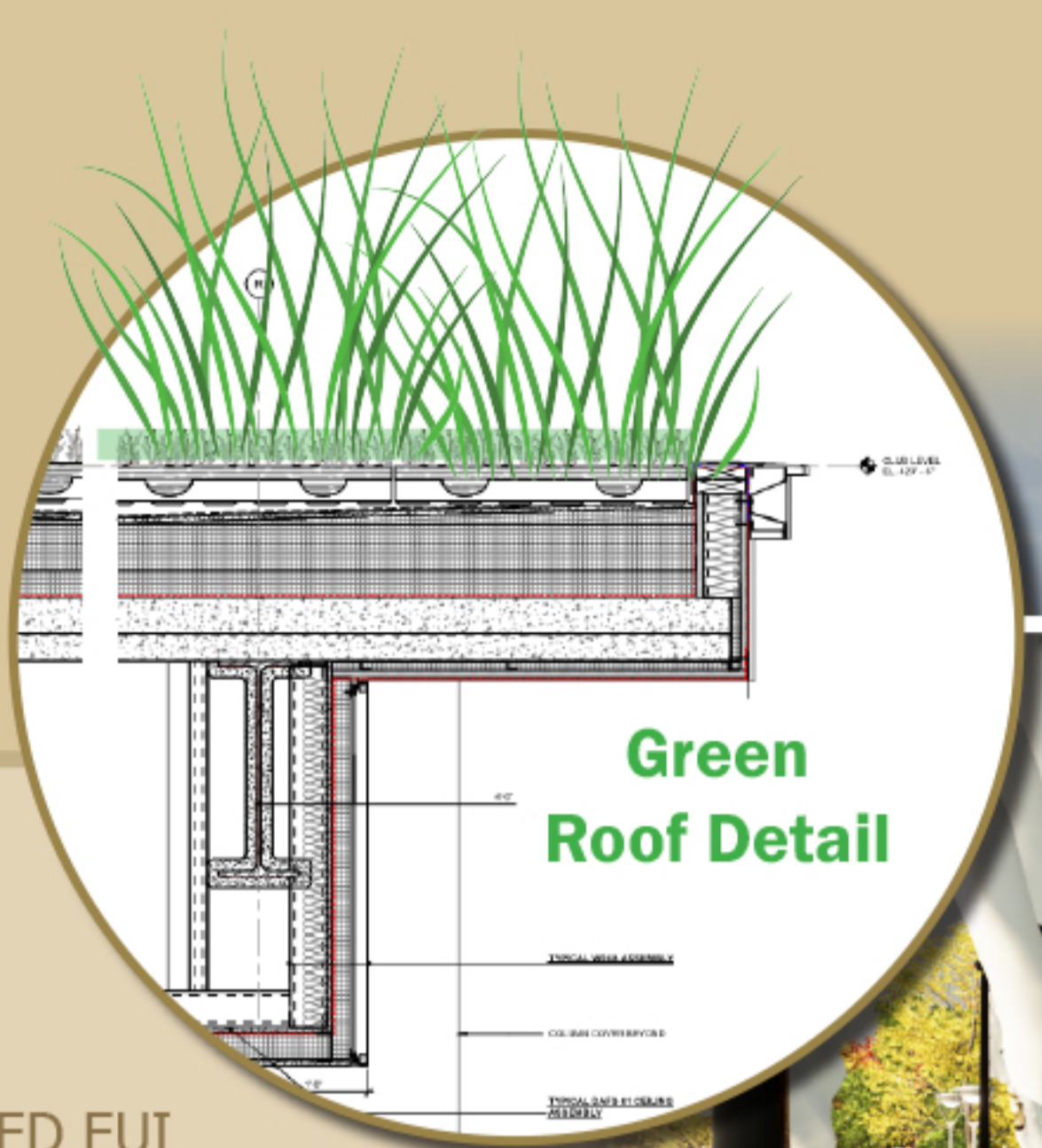


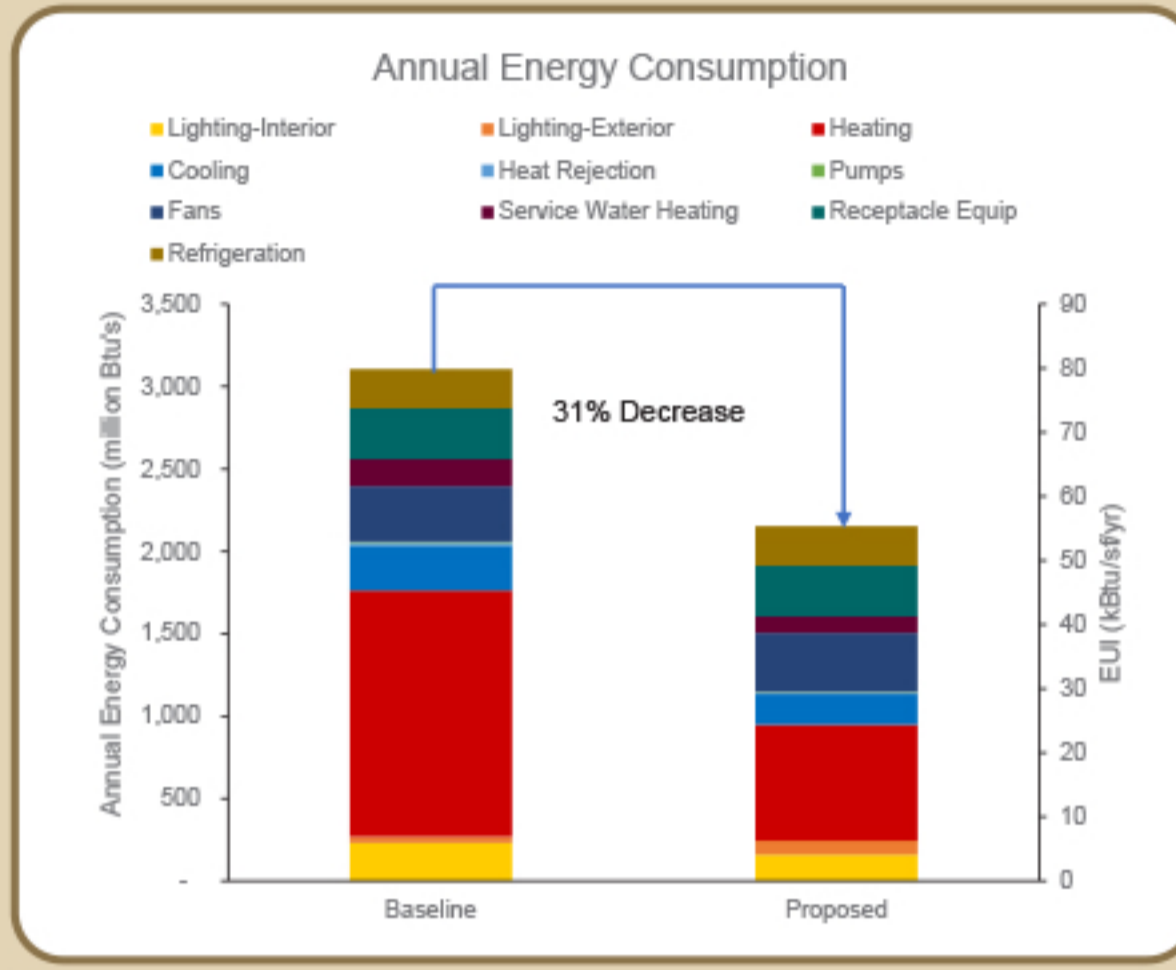


CONSERVING Energy

- Reduced energy utilization through efficient mechanical system design and building envelope technologies
- Proposed energy use intensity uses 31% less energy than the LEED baseline metric & realizing a 17% energy cost savings
- Use of VAV air handling units with hot water reheat coils and dedicated outdoor air units with efficient energy recovery
- Thermal characteristics of building envelope exceed the minimum R-value and are less than the maximum U-Values required by the International Energy Conservation Code (IECC)



Stadium Fieldhouse Project



PROPOSED EUI
31%
LESS THAN
LEED BASELINE

ARTIFICIAL TURF

- Uses less water - no irrigation
- Reduces carbon emissions from mowing, fertilizers, and maintenance
- No use of pesticides and harmful chemicals
- No nutrient pollution to neighboring watersheds and environment



CUTTING Carbon Emissions

- Investing in purchasing renewable energy - stake in solar energy farm
- LED lighting with occupancy sensors and dark sky compliant lighting
- Use of building automation controls to make heating and cooling more efficient
- Use of high-efficiency boilers for hot water production

MAXIMIZING SMART Land Use

- Site selection conserves land, mitigates impact to wetland jurisdictional extents, and promotes walkability to our bus stop and surrounding buildings
- Narrow vehicle footprint conserves green space, athletic fields, and reduces disturbance to natural landscape
- Utilizes underground stormwater detention system to manage storm runoff
- Siteplan leverages proximity to existing utilities and underground infrastructure
- Greenroof helps absorb rainwater and reduces impacts of storm runoff while providing thermal qualities for roof assembly

REDUCING Heat Island

- Petitioned local zoning board of review for zoning variance to reduce surface parking lots by over 900 parking spaces which would have encumbered over 5.5 acres...reduced required impervious surfaces and heat island effect
- Use of green roof to absorb sunlight
- Maintaining and promoting landscaped surfaces and tree canopy coverage

CONSERVING Water

- Use of low flow plumbing fixtures to conserve water
- Reduction in process water with energy and water efficient laundry equipment
- Implementation of irrigation wells serving natural grass athletic fields to conserve limited domestic water supply allocation from Town of Smithfield

SPECIFYING Low VOC

- Specify construction materials and furnishings that have low amount of volatile organic compounds (VOC) for better indoor air quality and health benefits



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