

DRAMATIC  
REDUCTION  
OF ENERGY  
CONSUMPTION

LEED  
GOLD

150%  
GROWTH PER  
DEPARTMENT

TRANSFORMATION  
OF  
PEDESTRIAN  
EXPERIENCE

SUSTAINABLE  
WATER  
MANAGEMENT

# RHOADES HALL

Completed: 2012

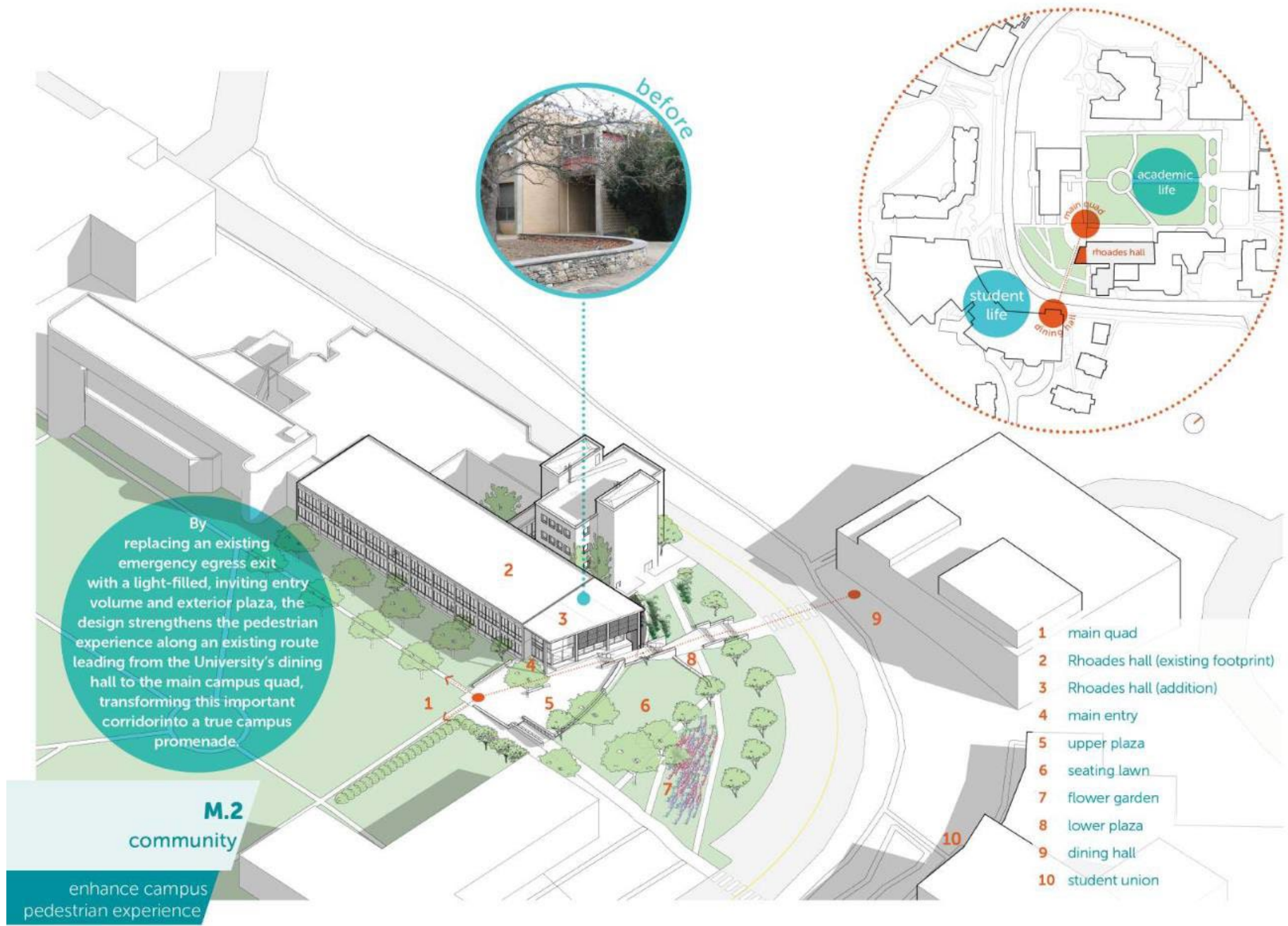
Location: University of North Carolina Asheville

The transformation and rehabilitation of Rhoades Hall enhances the lives of occupants and passersby alike by augmenting the campus pedestrian experience while dramatically increasing the sustainability and beauty of an existing structure.

**M.1**  
integration













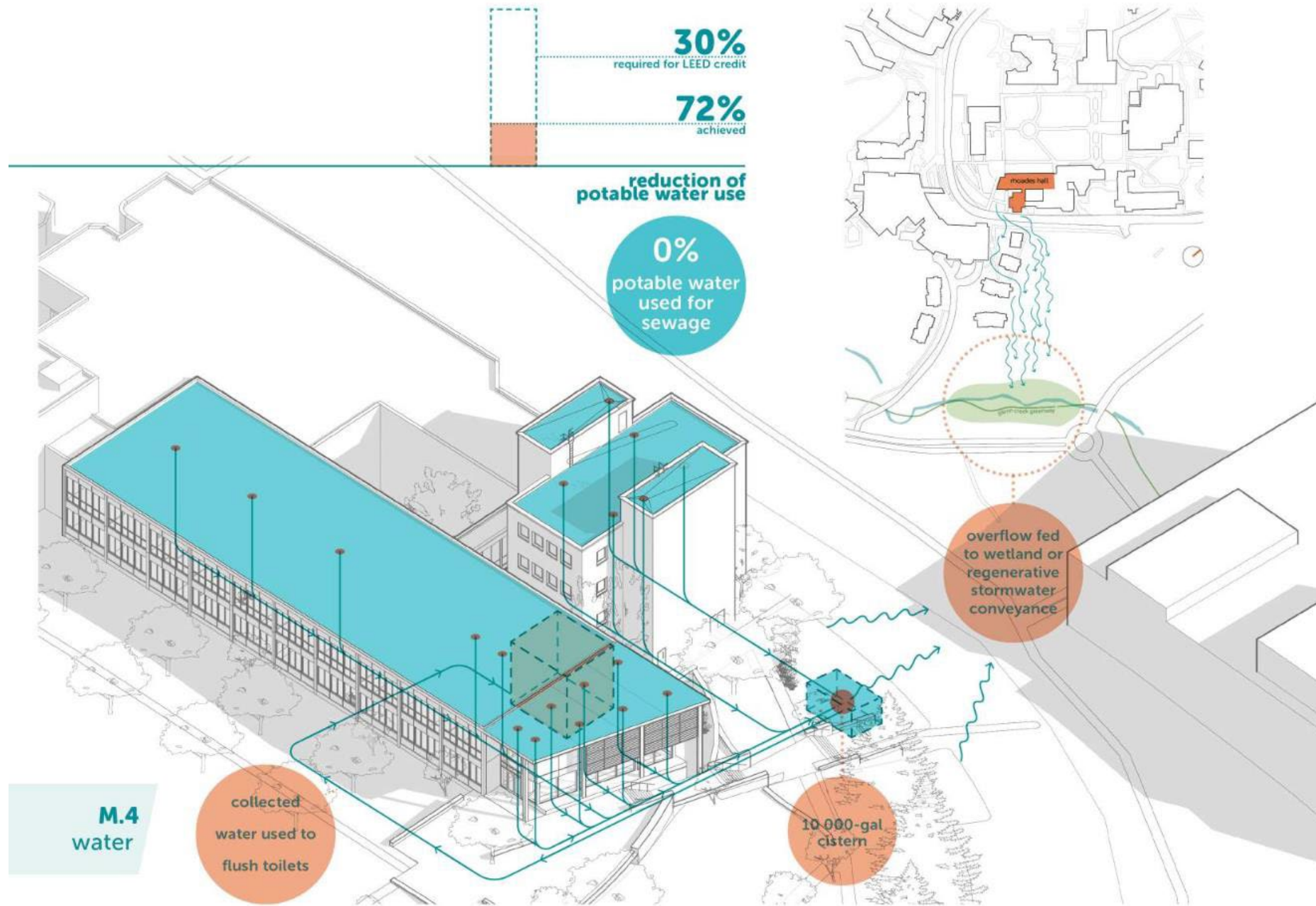


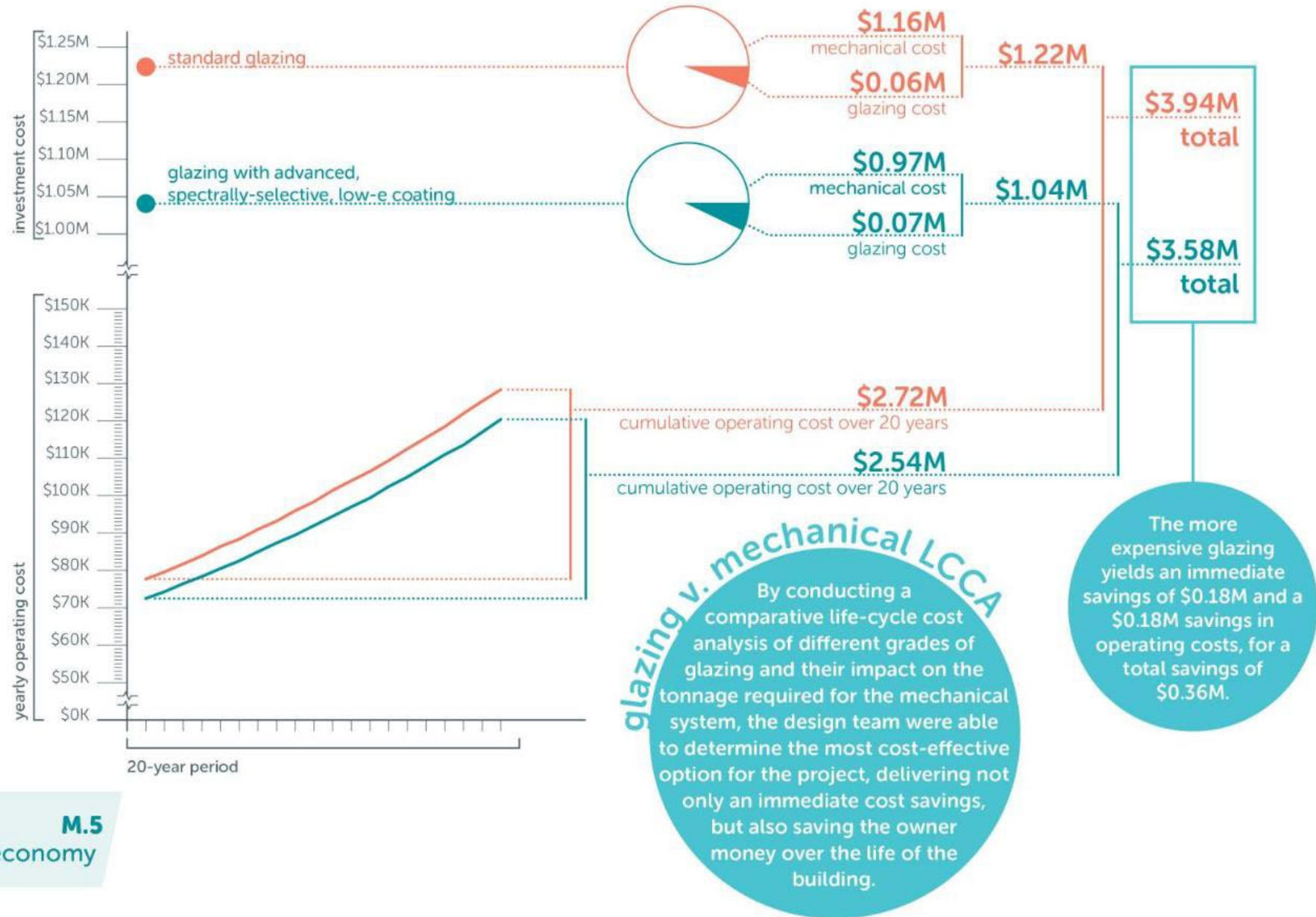
Native plants like  
**rhododendron  
catawbiense** preserve  
natural heritage and provide  
habitats for native wildlife

In accordance with  
the university's  
sustainable  
initiative, all new  
plants are native  
species that  
require no  
irrigation

All existing  
non-native plants  
were removed





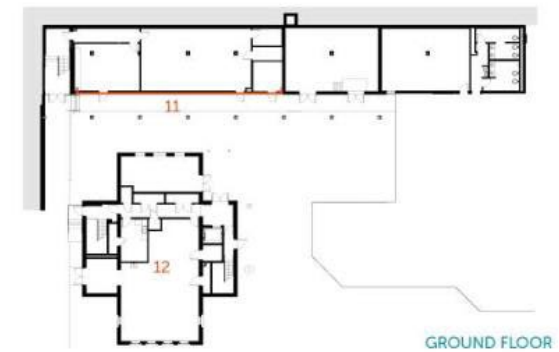
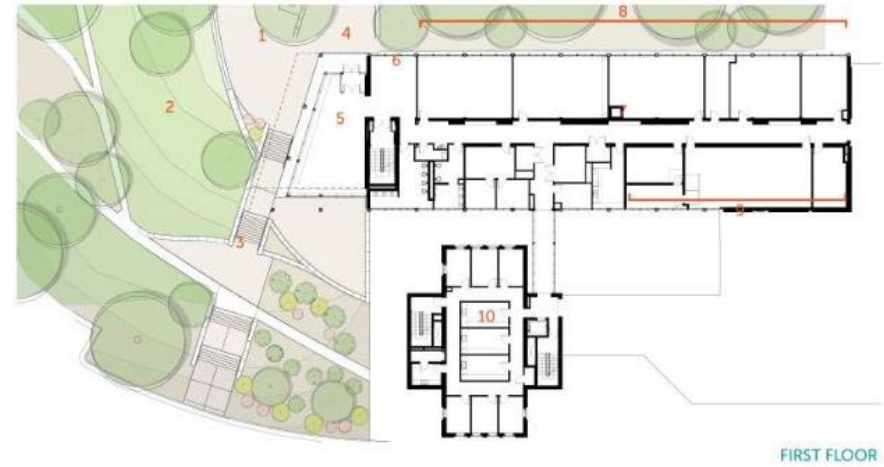
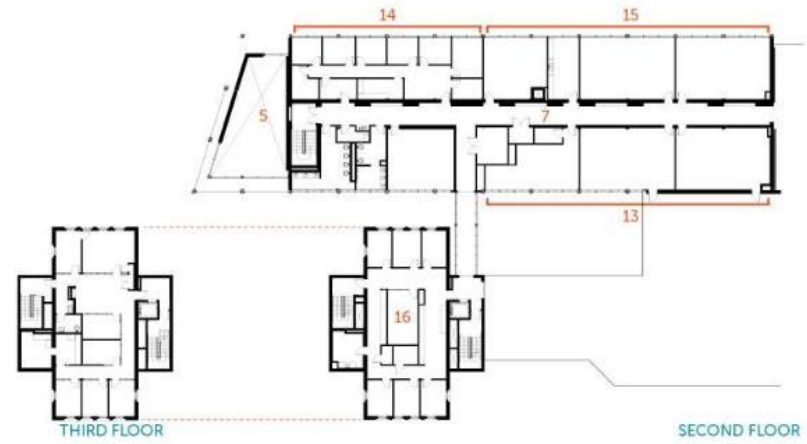


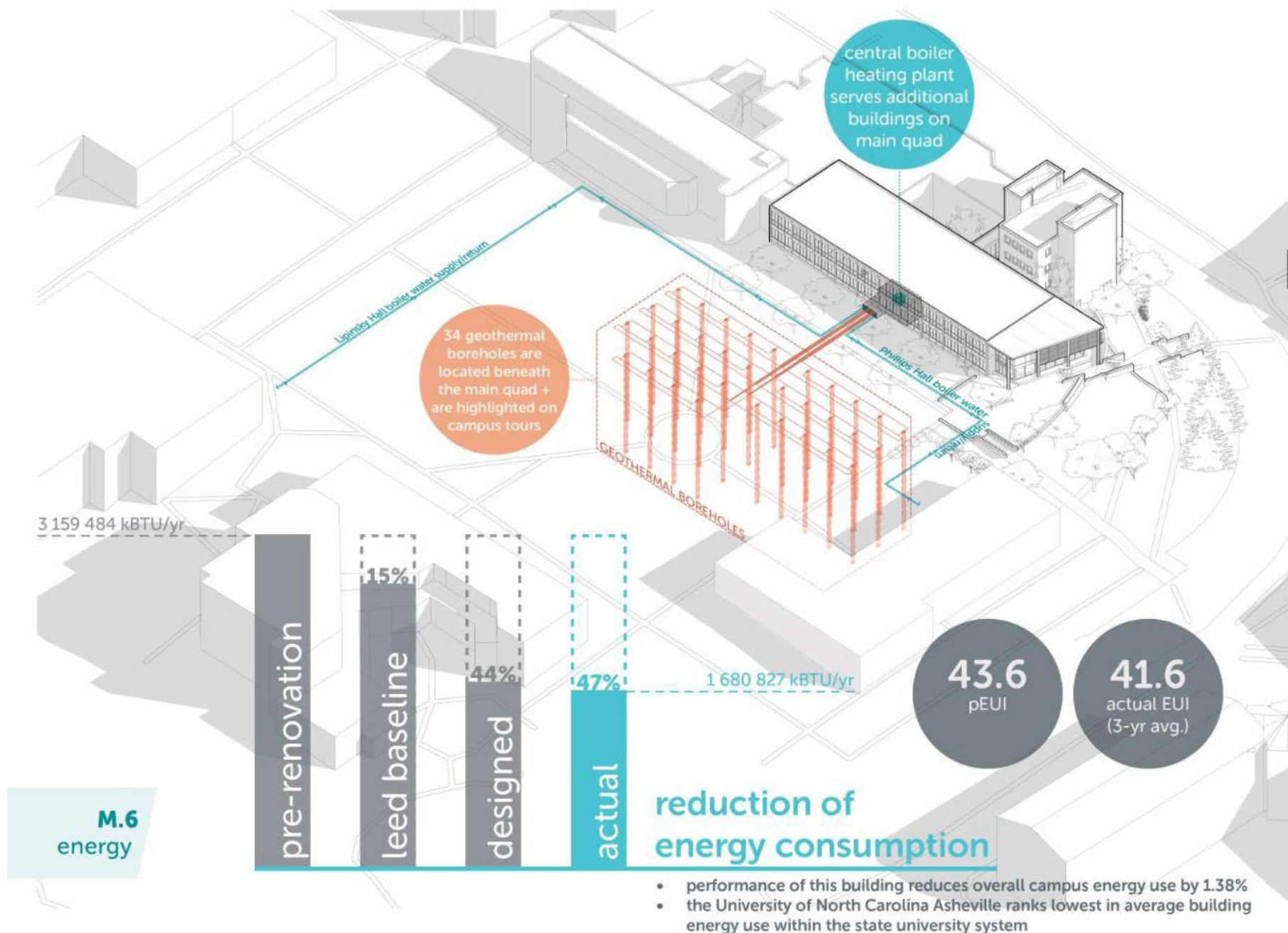




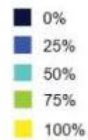
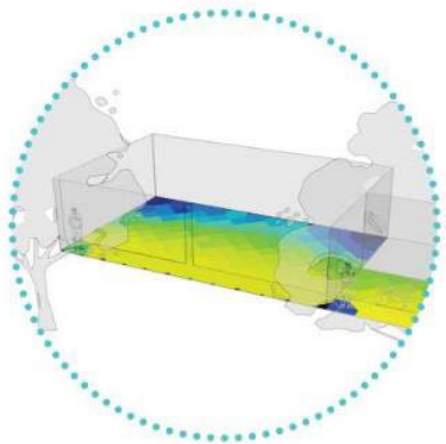
#### LEGEND

1. UPPER PLAZA
2. SEATING LAWN
3. LOWER PLAZA
4. MAIN ENTRY
5. MAIN LOBBY
6. STUDY LOBBY
7. CORRIDOR/COLLABORATION SPACE
8. PHYSICS
9. DISTANCE LEARNING
10. LABS
11. ENVIRONMENTAL SCIENCES
12. ENGINEERING METAL SHOP
13. COMPUTER SCIENCE
14. ENGINEERING
15. MATHEMATICS
16. COLLABORATIVE

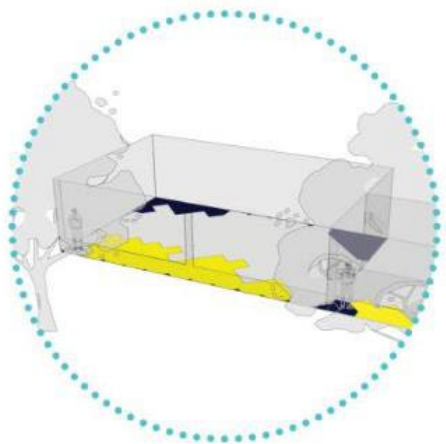








Percentage of occupied hours where illuminance is at least 33 footcandles, measured at 2.79 ft above the floor plate



**sDA: 92%**

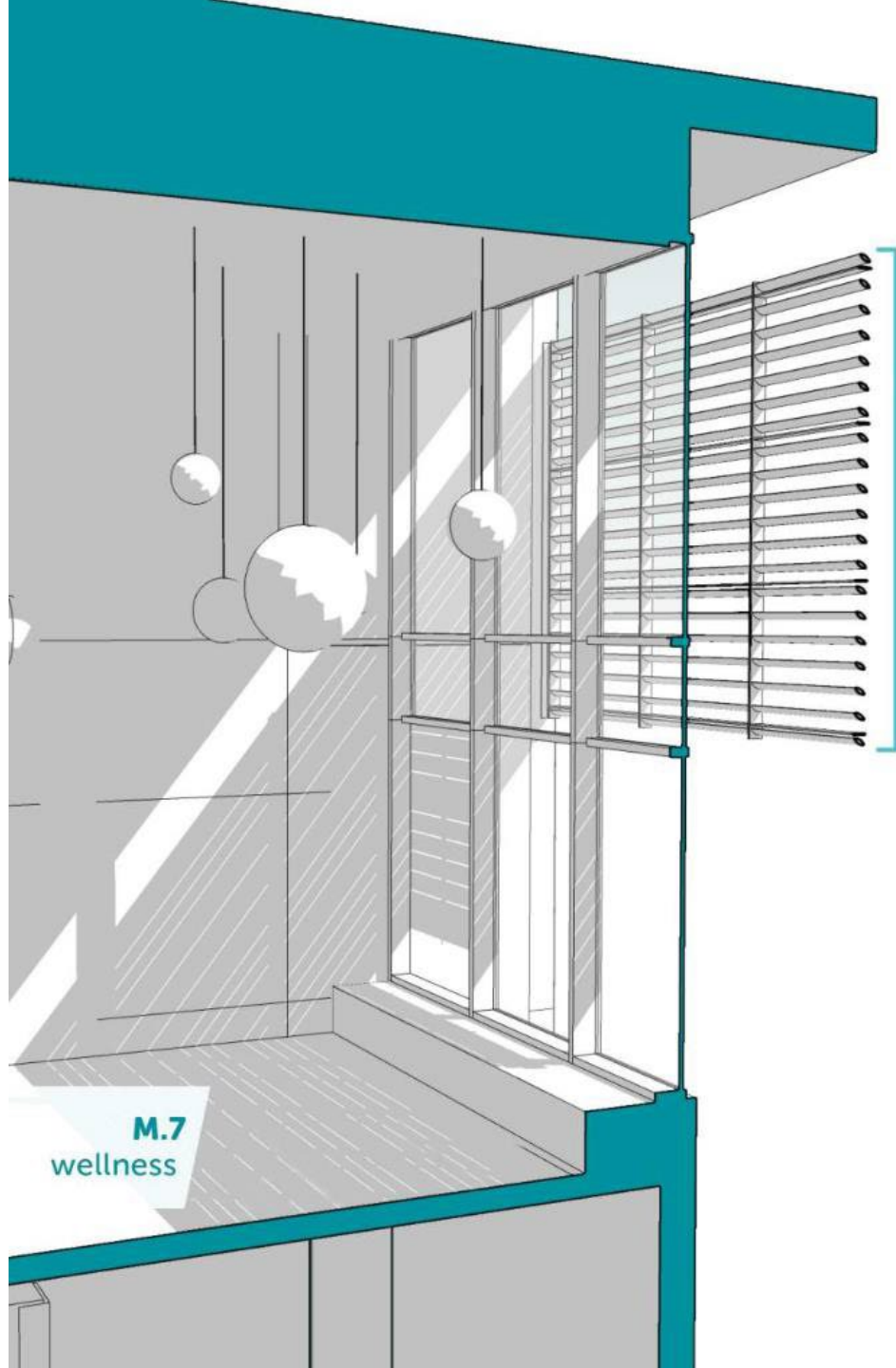
92% of the time, the light level in the room is sufficient for task work, making it unnecessary to turn on lights. Additionally, direct light is controlled, with overlit areas limited to the space directly adjacent to the glazing.



**M.7**  
wellness

## classroom daylighting analysis





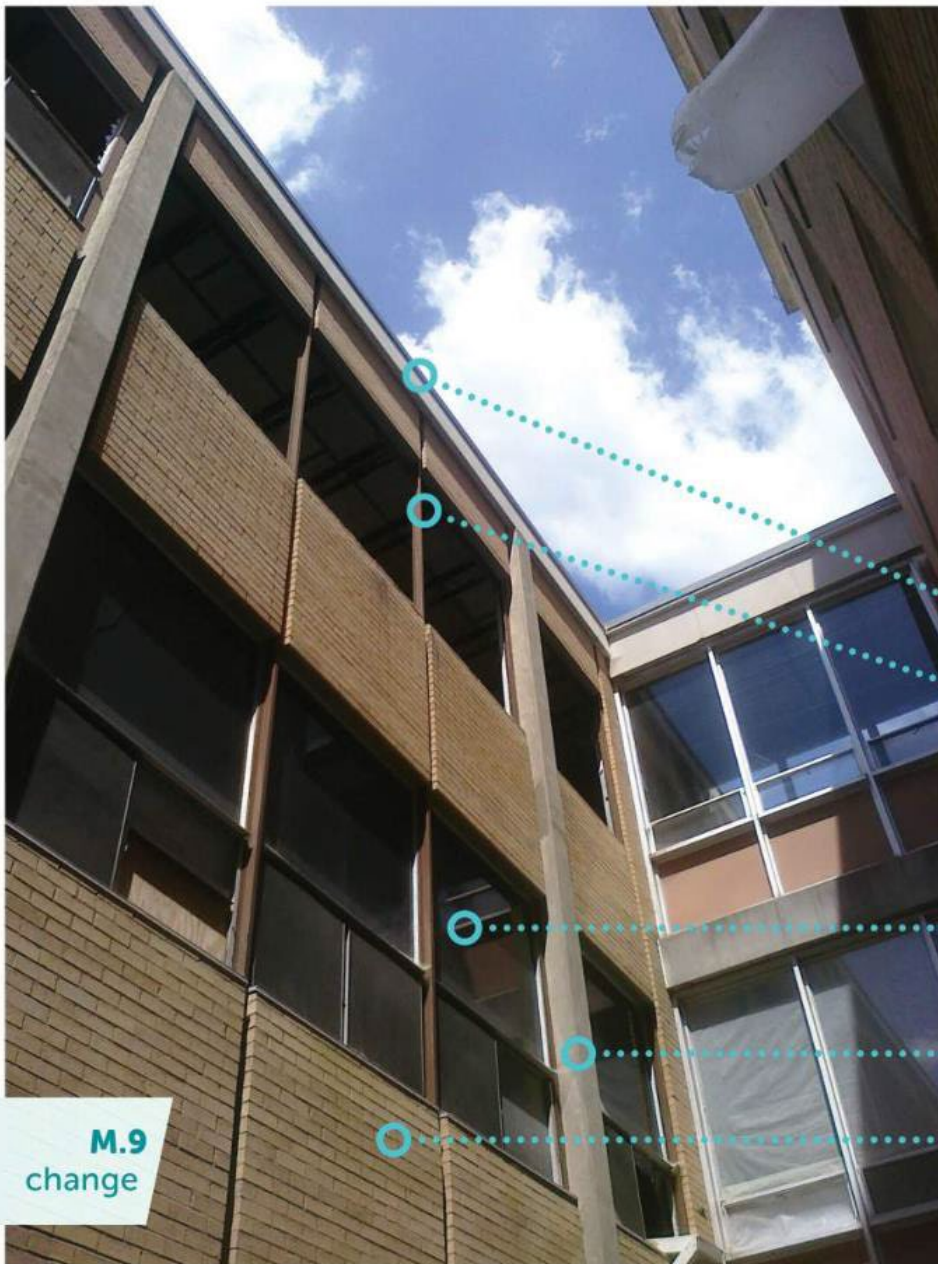
**M.7**  
wellness

*sunshading strategies*

Exterior aluminum  
sunshades along the southwest  
+ southeast facades control  
direct sunlight while allowing  
for expansive views of the  
surrounding campus.







**M.9**  
change

photo taken during  
demolition of existing  
building

**97%**  
of existing  
building reused

reused 100% of existing roof  
+ floor slabs

reused 100% of existing  
structural steel

existing exterior openings  
were enlarged to maximize  
daylight and views

reused 100% of existing  
precast superstructure

reused 90.3% of existing  
exterior walls





**M.10**  
discovery



The performance of Rhodes Hall demonstrates that renovations of existing buildings are capable of powerful sustainable impact. Adept and succinct, but wholly transformative, this design enhances the human experience and sustainable performance of a single building as well as the surrounding campus.



Best

2 min

9 min

2 min

600-128 Wellness Way, Asheville, NC 288

Rhoades Robinson Hall of UNCA, Rhoades

Add destination

Options

Send directions to iPhone

Copy link

via University Heights

9 min

0.4 mile

Details

Mostly flat

A satellite map of the University of North Carolina Asheville campus. A blue line indicates a walking route starting from 600-128 Wellness Way, passing through the Student Recreation Center, and ending near the P22 Resident Center. The map shows various campus buildings, including Kimmel Arena, The Sherrill Center and Kimmel Arena, UNC Asheville Public Safety, Ramsey Library, and several halls like Zeis Hall, Ponder Hall, and Mills Hall. It also features outdoor spaces like Greenwood Soccer Field, Karl Straus Track, and Mullen Park. The route is marked with blue dots and passes by University Heights and Wellness Way.



