Gensler

DESIGNED TO EARN THE ENERGY STAR

The estimated energy performance for this design meets US EPA criteria. The building will be eligible for ENERGY STAR after maintaining superior performance for one year.

BELLAIRE HIGH SCHOOL

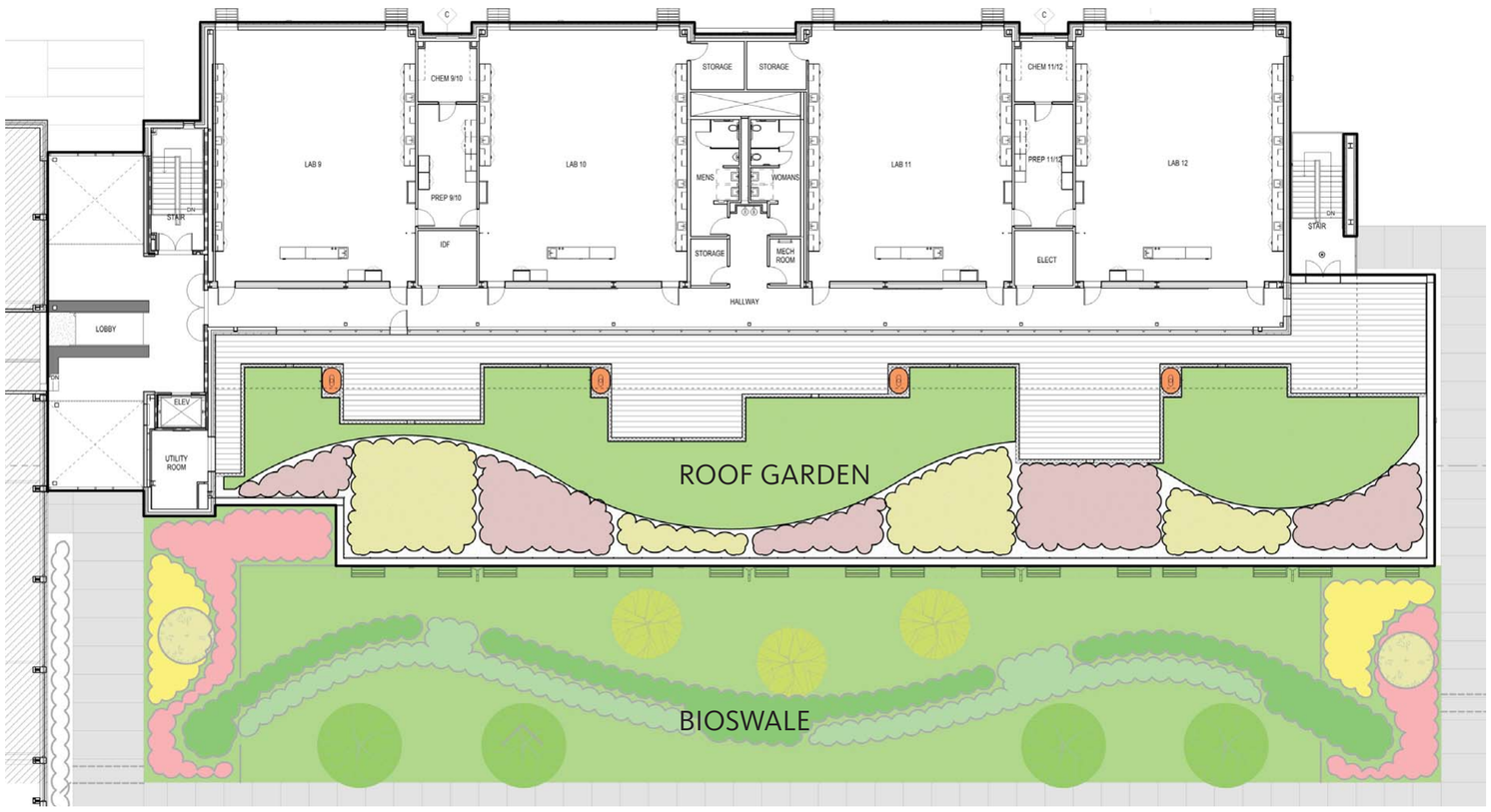
Bellaire, Texas

CHARACTERISTICS

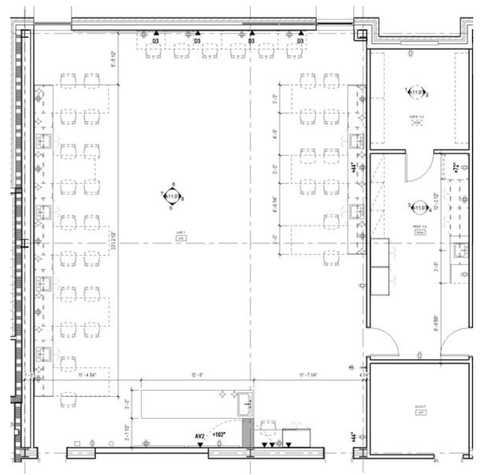
- **Sustainable design elements:** Green Roof, Water Collection, Bioswale, Use of Daylighting, Use of Sunshades
- **Building/Space type :** Classroom / Lab Building
- **Total square footage of building:** 54,000 sq ft

RESULTS

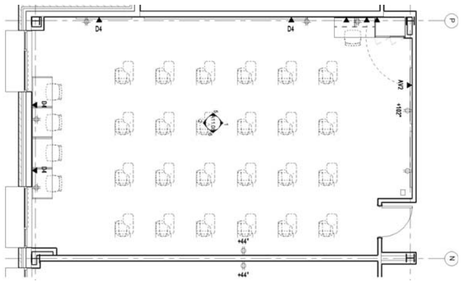
- **Energy use intensity:** 26 (kBtu/yr)
- **Percent CO2 reduction :** 56%
- **ENERGY STAR rating :** 93 (out of 100)
- **Energy savings :** 3,673,527 (kBtu/yr)
- **CO2 savings :** 194 (metric tons/year)



SITE PLAN

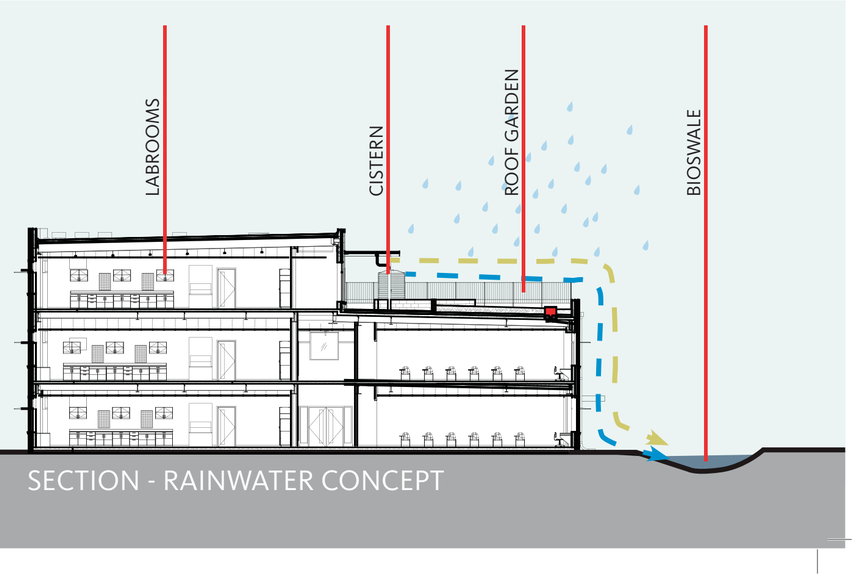


TYPICAL LAB ROOM



TYPICAL CLASSROOM

EAST ELEVATION



SECTION - RAINWATER CONCEPT