ENGINEERING
EDUCATION &
RESEARCH BUILDING,
UNIVERSITY OF WYOMING
Laramie, WY

"Supporting our Architectural Engineering program, the EERB was designed as a teaching tool."
Anthony Denzer
Department Head, Civil & Architectural Engineering, University of Wyoming

SUCCESSFUL
FULFILLMENT
OF CLIENT NEEDS
- The EERB supports UW's mission of providing affordable, state-of-the-art engineering research and education
- The Engineering initiative has increased CEAS's job placement rate to 86%, up from 49%, five years prior

UNIQUENESS
- Expansive central atrium designed as an interactive space that can be used for freshman orientation, as well as a place students can study, relax, and present design projects
- Reconfigurable laboratories provide safe and cost-effective changes as the research or teaching requirements expand over time

UNIQUE HEAT RECOVERY SYSTEM
- Unique heat recovery system recovers energy from the laboratory exhaust air stream and pre-heats/pre-cools the makeup air to a room-neutral condition
- Architecturally integrated LED lighting is utilized throughout the building

SOCIAL, ECONOMIC, AND SUSTAINABLE DEVELOPMENT
- With a demanding climate at 7,200 feet above sea level, various envelope and fenestration/shading studies were performed to analyze/optimize system components
- Lighting fixtures are strategically placed to keep the lighting seamless throughout the building

FUTURE VALUE TO ENGINEERING PROFESSION
- Provides active learning, engineering education, workforce training, and research to benefit the economic interests of Wyoming while also enhancing engagement within the industry