

CASEY Middle School

Boulder, Colorado

Architect: **RB+B Architects, Inc.**

Owner: Boulder Valley School District

General Contractor: Saunders Construction



Project Details:

- * 600-Student Replacement Middle School
- * Occupancy Date: 2010
- * 106,000 Square Feet, 8.4-Acre Site Re-Use
- * 350-Seat Auditorium
- * \$24.7 Million Project
- * High performance building envelope and glazing.
- * Solar panels for PV energy, which also doubles as a covering for bicycle parking.
- * Roof garden can be integrated into the curriculum.
- * Natural daylighting with automatic dimming systems.
- * Ground source heat pump mechanical system with water to air heat pumps for both heating and cooling.

Project Energy Statistics:

- * Source Energy Use Intensity (EUI) = 100 kBtu/sf/yr
- * Site Energy Use Intensity = 36 kBtu/sf/yr
- * Percent CO2 reduction = 28%
- * ENERGY STAR design rating = 83

Annual Savings Statistics:

- (compared to an average building EPA rating of 50)
- * Energy savings = 4,228,374 kBtu
 - * CO2 savings = 326 Metric Tons CO2/yr

