

Golden Hill Office Centre Lakewood, Colorado



Located in the foothills of the Rocky Mountains in Lakewood, Colorado, this 212,000 SF, 5-level, office building was designed to respect the site as well as energy consumption.

The initial design for the building was done in Denver, Colorado by a multi-discipline Team. The Troyer Group architects and engineers joined with governmental officials, members of the Solar Energy Research Institute (SERI) and the owner's representatives to discuss and develop design parameters for the building. It was determined at the time of design that a typical office building used +/- 120,000 BTUs per square foot per year. After much discussion and study, the Team agreed to an aggressive energy budget of 40,000 BTUs per square foot per year.

After five years of energy monitoring, it was proven that the building was operating at about 40,000 BTUs per square foot per year. Due to the building's performance and based on such a low energy budget, the structure was awarded 1st place, nationally, by the ASHRAE (American Society of Heating, Refrigerating and Air Conditioning Engineers).

The building was constructed in 1981. The basic materials are glass, aluminum wall panels and brick masonry accent.

Golden Hill is a prime example of how energy conscious design based on passive solar energy criteria can be done effectively as well as economically.

Project Type
New Construction

Services
Architecture, Engineering

Project Size
212,000 SF

Completion
1981

Award
National 1st Place Winner-
American Society of
Heating, Refrigeration and
Air Conditioning Engineers
(ASHRAE) in 1988



*Golden Hill Office Centre achieved
LEED®EB Silver Certification*

