UNM Science and Math Learning Center

DAY LIGHTING

- The glazing takes into account the suns path across the sky, so as to limit the need for artificial light inside the building
- Light shelves help reflect natural light into deep spaces of the building
- Automatic daylight sensors turn off artificial light when there is sufficient natural light in an area

SITE DESIGN

- Embedded within the historical fabric of the UNM campus, placing space at a premium and restricting the building footprint
- Designed to maximize open space and to serve as a catalyst for community interaction
- An east/west facing lobby preserves pedestrian connections

ENERGY OPTIMIZATION

- Mechanical and electrical systems designed for efficiency, while not losing sight of project restraints
- Variable speed cooling and heating systems, free cooling integration, air and hydronic system reset, and daylighting/lighting control
- Three dimensional BIM modeling enabled architectural and engineering concepts to be modeled, thus enhancing building energy operational efficiency.

FIRM: VAN H. GILBERT ARCHITECT PC

- Van H. Gilbert Architect has been practicing sustainable design for over thirty years
- Utilizes an Integrated Design Process (including BIM software) to assess the degree of sustainability during the design process
- This project is currently projecting LEED Gold certification