



MOSHIER STUDIO

ARCHITECTURE • INTERIORS • PLANNING • SUSTAINABLE DESIGN

McGinnis Education Center

SHARPSBURG, PA

BUILDING TYPE: NEW | CLIENT: BOY SCOUTS OF AMERICA | ARCHITECT: MOSHIER STUDIO



This building is sited on a 135-acre camp located near Downtown Pittsburgh. It is used by the Boy Scouts to deliver program to scouts and non-scouts, hold meetings and dinners and support other camp activities. The sleeping wing accommodates 114 in bunk rooms with shared toilet and shower facilities. The dining room seats 120 for dinners and 200 for other programs. There are two smaller meeting rooms and a commercial kitchen. Interpretive signage explains environmental features of the design.

The building is located adjacent to a small stream and at the toe of a slope of mixed hardwood forest. It is designed to follow the topography of the site, and has received LEED™ Silver rating.

The stone fireplace is constructed from a manufactured stone, with mantle details built from stone excavated on site. Similarly the porch posts are built from trees cut down on the building site. In addition to design of the new building, Moshier Studio led a team responsible for design of a new water service, electrical service, gas service, new roads and stream-related permitting.

Project Team: Moshier Studio, BDA Engineering, Turner Construction, Informatics Studio, Pashek Associates, Watson Engineers, PNC Realty Services, Civil and Environmental Consultants, Inc.

Square Feet: 12,000 | Construction Cost: \$2,400,000 | Completed: 2005

Reference:
Mr. Robert Mazzuca
Former Chief Scout
Boy Scouts of America

Sustainable Features

- + The design increased the porous area of the site, we replanted trees to replace those removed, and received a variance from parking requirements.
- + Waterless urinals, low-flow toilets and all plumbing fixtures chosen to reduce water use.
- + Exterior walls are constructed of insulated concrete formwork with cement fiber siding finish, triple-glazed windows, heat recovery ventilation, all calculated to reduce the building's energy use by 45%.
- + Recycled-content and local materials are used extensively, such as compressed wheat straw boards for interior walls, recycled newspaper panels for the deck, and glue-laminated and engineered wood framing members.
- + Low VOC interior finishes are used, and operable windows provide natural ventilation.