



GameWorks: Denver, CO

[Home / GameWorks: Denver, CO](#)

PROJECT DESCRIPTION

Client: GameWorks Denver

Project: HVAC

General Contractor: Catamount Constructors, Inc

Floor Area: 33,800 sf

Construction Schedule: Completed April 2016

PROJECT APPROACH

Design/Assist

ROLE

Installing HVAC Contractor

ENERGY SAVINGS

Wiegmann Associates' HVAC solution reduced equipment and installation costs, and achieves annual energy savings. Reprogramming of the HVAC controls will reduce annual energy costs by approximately 12 percent.

PROJECT CHALLENGE/SOLUTION

GameWorks is a national chain of family entertainment centers that offer a unique combination of games, food and sports.

The primary project challenge of the new GameWorks Denver was to adapt the building's existing HVAC equipment, designed for an electronics store, to serve the needs of a 33,800-square-foot multi-purpose facility including a restaurant and bar, arcade room, Laser Tag arena, eSports center, and small and large private event rooms.

Wiegmann Associates performed heating and cooling load calculations, which allowed for a 25 percent reduction in equipment capacity. They installed 10 new rooftop units instead of refurbishing older equipment, simplified the ductwork and air distribution system, and replaced several ductless split systems with more economical solutions, all while reducing mechanical construction costs by 28% over the original design.

