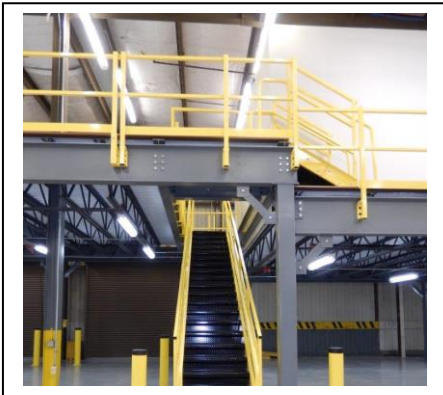




Case Study: Laser Tag Arena



Laser tag is a game played in teams using guns which fire infrared beams, and generally within a single-level arena. These arenas offer an engaging experience for patrons by submersing visitors into an alternate reality using elaborate lighting, effects, music and colors. They are a popular attraction for families and draw large crowds at both dedicated and multi-use entertainment venues.



Overview

Bluff develops solutions for commercial industrial and retail applications. Our engineering staff, in conjunction with our sales team, listens to the needs of the customer to create custom solutions at a value price.

Challenge

A family entertainment venue being built in Cincinnati, OH sought to stretch the limits of traditional spaces by creating a 2,000 square foot multi-level laser tag arena within their 90,000 square foot building in order to bring their patrons a unique interactive laser tag experience. Bluff Manufacturing was selected to design and built a mezzanine structure that would not only add an exhilarating feature, but also safely accommodate regular pedestrian traffic and adhere to building codes set by the local municipality.

Solution

Bluff's Steel Structures experts worked closely with the general contractor and end user to design the ideal mezzanine structure. The design incorporated all the elements needed to create the desired multi-level interactive laser tag experience. An important design element needing close attention was the incline of the ramps between the mezzanine landings. The ramps required a gradual incline for safety but needed to have just the right amount of incline to add to the fun and challenge. Bluff's modular design allowed for seamless installation. The mezzanine landings and ramps that Bluff provided became the bones of a laser tag atmosphere that continues to impress patrons.