CASE STUDY
CLIMBING FACILITY

JOHNSON
AIR-ROTATION® HVAC SYSTEMS

ADVENTURE PARK SAVES BIG WITH JOHNSON AIR-ROTATION HVAC SYSTEM

Application:
25,000 sq. ft. Adventure Park

Market:
Branson, MO

System Style and Quantity:
One Air-Rotation System

BUILDING COMPLICATIONS

Stratification - Stratification was a great concern to the project engineers and owner. Many of the attractions in the space, such as climbing towers, stretched close to the ceiling.

Maintenance - The owner was concerned with maintenance requirements for 10 packaged rooftop units.

Budget - The initial rooftop units required a great deal of ductwork and structural steel, both costly additions to the total build. The project was vastly over budget once the mechanical scope numbers were tallied.

JOHNSON SOLUTION

Stratification - The Air-Rotation system effectively destratifies the entire space, providing even temperature and humidity throughout the entire volume.

Maintenance - A single 120 ton Johnson Air-Rotation HVAC System serves the 25,000 sq. ft. space, consolidating all of the electrical / gas connections, associated with the initial rooftop plan, to one point. This greatly reduces maintenance efforts required by the owner.

Budget - The grade mounted and ductless system allowed the engineers to eliminate all additional structural steel and distribution ductwork from the project. Johnson's system slashed the total mechanical cost over 45%. The system controls were also greatly simplified to a single point controller, further reducing the cost.

Manufactured in the USA

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