

Vyron Project Profile

Grand Lodge Waterpark Resort

Rothschild, WI



Solution – Greenheck



Engineer – Bear Valley Engineering - Madison, WI



Contractor – Stainless Specialists, Inc– Brokaw, WI



The Lodge at Cedar Creek officially opened June 18, 2004. It includes 140 rooms, banquet facilities and an indoor water park. It has since changed its name to Grand Lodge Waterpark Resort

Greenheck is the leading supplier of air movement and control equipment that includes fans, dampers, louvers, kitchen ventilation hoods, and energy recovery and make-up air units. Greenheck equipment is used in all types of commercial, institutional, and industrial buildings in applications from comfort ventilation to manufacturing processes.

The ceiling and cabinet fans are direct drive models that have forward curved wheels for low sound and high efficiency. They are suitable for clean air applications, such as bathroom exhaust fans, storage room, or office fans. Models are designed for commercial construction, high-efficiency, and low sound levels. Centrifugal inline fans are ideal for clean air applications, including intake, exhaust, return, or make-up air.



The Challenges

- Provide quiet, energy- efficient bathroom ventilation in 140 suites
- Accommodate unusual interior design constraints that produce narrower floor joists.
- Create rooftop ventilation units that support architect's exterior design of a Northwoods Lodge.



Waterpark fun

The Greenheck Solution

- Superior quiet operation, proven in live sound testing, allowed for the substitution of Greenheck fans.
- To accommodate unique roof lines and angles on the interior of the lodge, 40 of the total 190 Greenheck ceiling fans had to be modified at the factory to accommodate installation in spaces between joists that measured four-inches less than normal
- Eight rooftop relief vent units, model WHR were installed with a unique louvered equipment screen painted to match the lodge's red exterior roof



SP-A Models



SP-B Models



Another Satisfied Customer

The mechanical engineer who participated in the sound demonstration said he would specify Greenheck's ceiling exhaust fans (Model SP) from now on.

Project Manager Paul Egner of Stainless Specialists said the project went smoothly, and Greenheck was very accommodating in assisting them with some custom product applications including downsizing the ceiling fans where needed and providing the easy-to-install custom equipment screens.



"A clever person solves a problem. A wise person avoids it." ~Albert Einstein