



Ruskin Supports Large-Scale Resort Project with Ambitious Timeline



RUSKIN® FSD60 Combination Fire/Smoke Damper are both UL555 and UL555S Classified

A large-scale resort near the nation's capital features over 300 guest rooms and suites, a casino and several restaurants and amenities. Construction was completed in less than two years, thanks to 1,500 tradespeople working on the massive project.

The project's general contractor, Whiting Turner Contracting Company, chose Poole & Kent, the mechanical contractor,

who worked with Kogok Corporation to perform sheet metal work. The major challenge for Kogok was the successful execution of a project of this size in such a short timeframe, while still maintaining high-level quality in its workmanship.

Contractor Chooses *Ruskin* to Comply With Basis of Design

Kogok's scope of work included the fabrication and installation of approximately 1.5 million pounds of ductwork and hundreds of pieces of HVAC equipment. It also involved furnishing and installing hundreds of life safety damper assemblies, as well as thousands of air devices.

ABOUT THE PROJECT

Project Type: Casino/Hotel

General Contractor: Whiting Turner Contracting Company

Sheet Metal Contractor: Kogok

Ruskin Rep: H&B Engineered Products

RUSKIN PRODUCTS

[FSD60 Combination Fire/Smoke Damper](#)

[FSD36SS Stainless Combination Fire/Smoke Damper](#)

[DFD35SS Dynamic Stainless Fire Damper](#)

[DFD60 Dynamic Airfoil Blade Fire Damper](#)

[DIBD2 Dynamic Curtain Type Fire Damper](#)



Ruskin was chosen as the basis of design (BOD) by the consulting engineer. Contractors rely on BOD criteria to select products and systems that meet pre-determined performance requirements. *Ruskin* not only checked all the boxes in terms of performance – the company and *Ruskin* representative H&B Engineered Products were also able to deliver large volumes of product within an aggressive timeframe required by the job.

In addition, *Ruskin* dampers helped solve some unique construction challenges for the project. Due to architectural constraints, space for installation and access was an issue. *Ruskin's* multitude of configuration options and the wide range of sizes for the certified dynamic assemblies allowed for quality installation – regardless of the application.

***Ruskin* Dampers Address Safety Challenges**

According to the National Fire Protection Association (NFPA), most fire-related deaths are caused by smoke inhalation. Therefore, during a fire event, it is imperative air in the building keeps moving so smoke can be removed as quickly as possible. During a fire, dampers are required to either contain or exhaust smoke, giving occupants time to evacuate.

Fire dampers are designed to impede the spread of fire through walls, floors and partitions. Dynamic fire dampers are listed and approved for applications where the HVAC system blower may continue to run during an alarm.

Dynamic fire dampers are rated to close against moving air measured in feet-per-minute (fpm) velocity.



The resort required a wide range of duct sizes. *Ruskin* was selected as the sole supplier since it had the largest variety of damper sizes that were tested and approved with a dynamic rating. In addition to having the widest variety of fire-rated dampers, *Ruskin* is the only manufacturer that makes a single-piece, roll-formed air blade. This results in a stronger blade for higher velocity and better pressure drop. Because the blade is stronger, the damper can also be made lighter.

Trusted Partnership Delivers Excellent Results

The relationship between Kogok, H&B Engineered Products and *Ruskin* led to the successful installation of all ductwork. This attention to detail and quality helped the resort receive the U.S. Green Building Council's Leadership in Energy and Environmental Design® (LEED) Gold certification.



"With the pace of this project and the number of changes that occurred, *Ruskin* was able to deliver not only their multiple configuration options, but also its industry-leading *Ruskin*® Express program, which offers quick build and ship," said Mandy Greenspon, vice president of construction, Kogok Corporation. "This allowed products to get the site quicker to minimize any delay in the construction schedule. Our partnership with *Ruskin* was a win for both us and the resort."

For more information on *RUSKIN*® solutions please visit: www.ruskin.com



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