



Nailor®

CASE STUDY

The Troubadour Hotel

Nailor Products:

- Fan Coil Units
- Grilles
- Registers
- Ceiling Diffusers
- Flowline Diffusers
- Fire/Smoke Dampers
- Control Dampers
- Louvers

Location: **New Orleans, LA**

Year: **2016**

Buildings/Size/Area:
17 stories

Category: **Hotel**

Architect: **Campo Architect**

Operator:
Jole De Vivier > Hilton Tapestry Collection

Owner: **Slumber Corners Master Tenant, LLC**

Interiors: **Paletteur**

In November of 2016, Joie De Vivre Hotels announced the opening of their first New Orleans property, The Troubadour, a boutique hotel developed within the historically recognized Rault Center at 1111 Gravier Street. The adaptive reuse of the existing high-rise structure required careful planning to preserve the character of the original building while transforming it into a modern hospitality destination. The 184-room hotel blends historic architectural elements with contemporary design,

offering a distinctive guest experience in the heart of downtown New Orleans. Converting a legacy office building into a full-service hotel presented unique engineering and construction challenges, particularly within the constraints of the existing structure. Through close collaboration among the project team, the renovation successfully delivered a functional, efficient, and visually striking hotel that reflects both the history of the Rault Center and the vibrant culture of New Orleans.

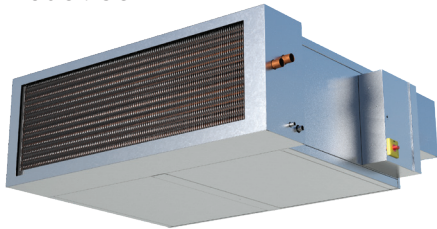
VERTICAL HIGH-RISE FAN COIL UNITS

Model: 39VH



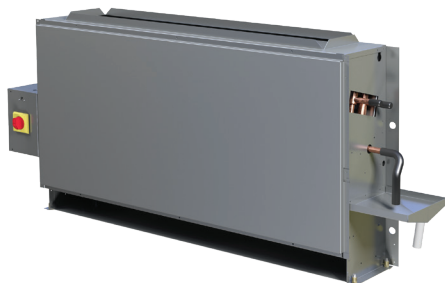
HORIZONTAL FAN COIL UNITS

Model: 35FHZE



VERTICAL FAN COIL UNITS

Model: 41VC

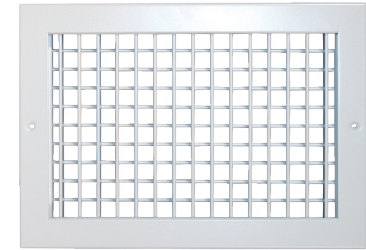


The in-room air conditioning system at The Troubadour Hotel was designed to accommodate seven distinct guest room layouts across the 184-room property. Each layout required a customized fan coil configuration to meet architectural constraints while maintaining consistent comfort and performance. In many guest rooms, fan coil units were located near the entry and ducted to deliver supply air to the sleeping area. This placement allowed fan noise to be positioned away from the bed, creating a quieter and more comfortable environment for guests within the limitations of the existing building structure.

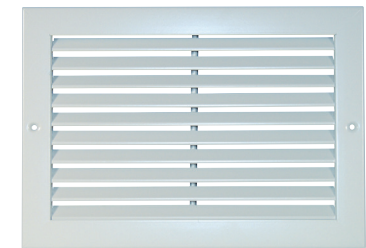
In the hotel's suites, fan coil units were installed within the living areas and configured to efficiently serve larger, open spaces. Additional fan coil units were used throughout the building's common areas and offices, supporting consistent airflow and comfort beyond the guest rooms. Nailor grilles, registers, and diffusers were integrated throughout the project, along with air control products used for fire and smoke protection. Owner-specified ANSI 250 valve packages were also incorporated to meet chilled and hot water system requirements.



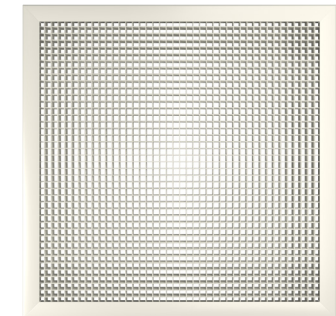
GRILLES & REGISTERS
Model: 51DV



GRILLES & REGISTERS
Model: 5145H



GRILLES & REGISTERS
Model: 51EC

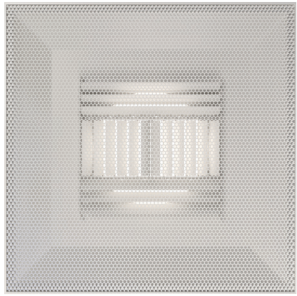


Air distribution throughout the hotel was achieved using a coordinated selection of Nailor grilles and registers designed to balance performance, flexibility, and architectural appearance. The project incorporated 51DV, 5145H, and 51EC models to serve guest rooms, suites, and supporting spaces throughout the building. These grilles and registers were selected for their ability to integrate seamlessly

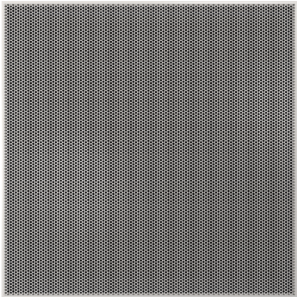
into both ceiling and wall applications while providing consistent airflow across varying room layouts. Their adaptable configurations and clean, unobtrusive designs allowed the mechanical systems to meet comfort requirements without detracting from the interior aesthetic of the renovated historic structure.

CEILING DIFFUSERS

Model: **4320AA**



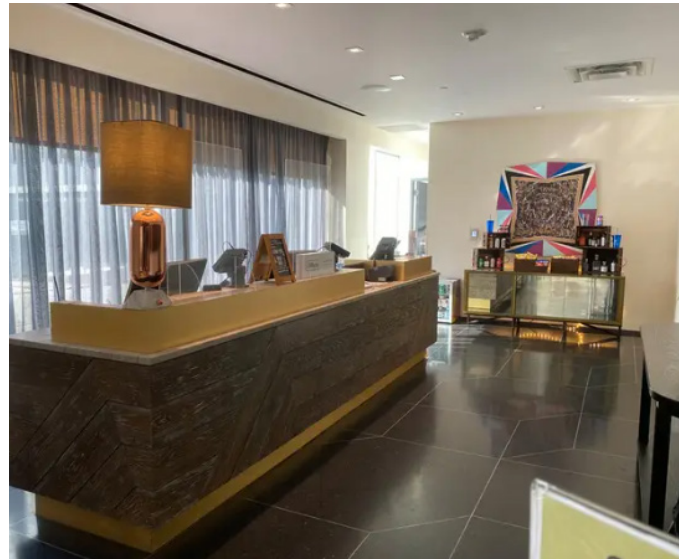
Model: **4360AA**



Model: **ARNS3**



Model: **AUNI**



A range of ceiling diffuser solutions was used at the hotel to support consistent airflow while maintaining a clean, architectural ceiling appearance. The project incorporated Nailor 4320AA and 4360AA ceiling diffusers in guest rooms and suites to provide uniform air delivery across varying ceiling conditions. These diffusers were selected for their quiet performance and ability to integrate seamlessly into the finished spaces without drawing visual attention.

In larger and shared spaces, ARNS3 and AUNI ceiling diffusers were applied to accommodate broader airflow patterns and diverse layout requirements. The flexibility of these models allowed the mechanical design to adapt to different space sizes while maintaining balanced performance and occupant comfort. Together, the selected ceiling diffusers contributed to a cohesive air distribution strategy that complemented the character of the renovated historic building.



FLOWLINE™ LINEAR DIFFUSERS Model Series: FL

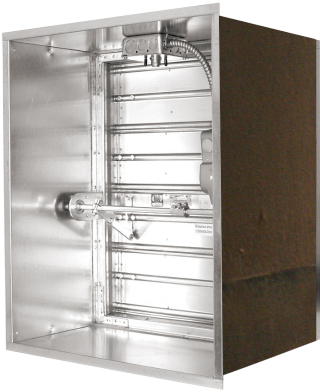


Flowline linear diffusers were incorporated throughout The Troubadour Hotel to provide discreet, continuous air distribution that aligned with the building's architectural design. Their slim profile allowed the air distribution system to blend seamlessly into ceilings and architectural elements without disrupting the overall aesthetic of the renovated spaces. Selected for their flexibility and clean appearance, Flowline linear diffusers supported consistent airflow and occupant comfort while maintaining the refined, modern look required for a boutique hotel environment within a historic structure.



COMBINATION FIRE/SMOKE DAMPERS

Model: D1220



CONTROL DAMPERS

Model: 1010



BACKDRAFT DAMPERS

Model: D1370CB



Airflow control and system protection were supported through the integration of multiple Nailor damper solutions within the building's HVAC systems. The project incorporated D11220, 1010, and D1370CB damper models to address varying air management and safety requirements associated with both guest spaces and supporting mechanical areas.

These dampers were selected for their reliable performance, tight sealing, and compatibility with the overall system design. Their ability to accommodate different installation conditions helped ensure proper air regulation, system efficiency, and compliance with life safety requirements within the constraints of the renovated historic structure.



DYNAMIC CURTAIN FIRE DAMPERS Model Series: D0100



LOUVERS Model: 1606D



Ventilation and airflow control requirements were addressed using a combination of Nailor damper and louver solutions integrated into the building design. The project incorporated D0100 dampers and 1606D louvers to support controlled air movement while accommodating architectural and mechanical constraints. These products were

selected for their durability, dependable operation, and ability to integrate cleanly into the building envelope and HVAC systems. Together, the damper and louver solutions contributed to effective airflow management while maintaining performance and reliability within the renovated historic structure.



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