



## **Engineering Excellence for Drury Hotels**

Precision MEP design, 3D building systems, and life safety engineering — delivering seamless guest comfort and behind-the-scenes reliability across every property.



# Hospitality-Specific Engineering

## Guest-Centric MEP Design

Integrated Mechanical, Electrical, and Plumbing systems engineered for high-occupancy environments — prioritizing consistent comfort and system reliability across every room.

## IAQ & Humidity Control

Energy recovery wheels maintain superior indoor air quality and deliver robust mold and humidity protection — a critical standard for Drury's brand promise.

## Sustainability & LEED

Energy-efficient HVAC and water systems support green initiatives for LEED-certified properties, including Drury Inn & Suites Flagstaff.

# Mechanical & 3D Systems Design



## Comprehensive 3D Modeling

High-fidelity Revit MEP models enable clash detection and early conflict resolution — eliminating costly on-site surprises before ground is ever broken.

## High-Efficiency HVAC

Central water-cooled chilled water plants paired with energy-recovery ventilation (ERV) balance peak thermal comfort with rigorous operational efficiency targets.

## Complex Piping Networks

Intricately coordinated piping and plumbing layouts for guest room configurations ensure quiet operation and stable, room-by-room comfort delivery.

# Life Safety & Fire Protection

## Integrated Fire Protection

Reconfigured sprinkler systems and passive fire protection are engineered specifically for the complexity of multi-story hospitality buildings — where occupancy density and egress paths demand precision.

## Life Safety Coordination

Fire detection and alarm systems are fully synchronized with smoke control and HVAC overrides, meeting the strict loss prevention requirements of national hospitality brands like Drury.

- ✔ Every life safety system is designed to perform reliably — for guests who never need to think about it.





# A Trusted Engineering Partner for Drury Hotels

## **Guest Comfort**

MEP systems engineered for quiet, consistent performance across every occupied room.

## **Operational Reliability**

3D coordination and clash detection reduce construction risk and accelerate delivery.

## **Code Compliance**

Life safety and LEED standards met with precision — protecting guests, staff, and brand reputation.