

# SAVE SPACE AND LIMIT INTRUSIONS WITH VRF SYSTEMS

**Sustainability and energy efficiency** are among the most common reasons architects choose Variable Refrigerant Flow (VRF) systems, but VRF technology also helps architects save space and reduce the need for exterior modifications when upgrading a building's HVAC system.

**NoMad Los Angeles** (NoMad LA) is a 14-story, luxury hotel in the heart of downtown Los Angeles, an adaptive reuse of the historic Bank of Italy Building at Giannini Place. With the building listed as a National Historic Landmark, **Sydell Group**, the property's owner and management company, insisted on top-of-the-line mechanical systems that could be installed with minimal disturbance to the historic building. Additional fenestrations, for example, were not permissible. Given the hotel's lavish accommodations and amenities, including original, gold-leaf, hand-painted ceilings and several

world-class dining venues from chef Daniel Humm and restaurateur Will Guidara, the HVAC system needed to satisfy high expectations for comfort. After consulting with the general contractor, **R.D. Olson Construction, Inc.**, and mechanical contractor, **Talent Air**, the Sydell Group identified the best possible HVAC option to solve these challenges: Mitsubishi Electric Cooling & Heating **CITY MULTI® Variable Refrigerant Flow systems**.

Talent Air installed **R2-Series, Y-Series** and **S-Series** systems using Ceiling-Concealed Ducted Indoor Units (PEFY) and Multi-Position Ducted Air Handlers (PVFY) throughout the hotel and 6 Ductless Indoor Units (PKFY) in the audio-visual rooms. With Mitsubishi Electric's 2-pipe design and compact equipment, the VRF system has a much smaller footprint than conventional systems or other brands utilizing 3-pipe designs.



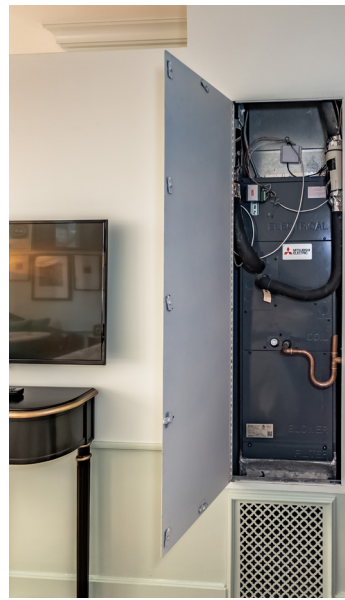
## WHY SHOULD YOU SPECIFY VRF SYSTEMS?



### TO SAVE SPACE

*"Many of the existing city properties we develop are built lot line to lot line. There's no space to build a centralized plant that has cooling towers, boilers and chillers. VRF was ideal for us because we can put units on the roof that have a small footprint. We were able to add a pool, rooftop bar, restrooms and restaurant."*

**Ryan Bean,**  
Director of Development  
Sydell Group



### FOR QUIETER HVAC

*"Noise is a key factor in providing an elevated experience. With the VRF system, there's a smaller fan coil and you can install it higher up in the ceiling, compared to the conventional systems you normally see in hotels. The result is a very quiet HVAC system."*

**Jason Garry**  
Senior Project Manager  
Talent Air

To learn more about how VRF systems can solve your project's challenges, visit [www.MitsubishiPro.com](http://www.MitsubishiPro.com). To read the full Case Study, click [here](#).

## S-SERIES HEAT PUMPS RATED FOR EXTREME TEMPERATURES

Mitsubishi Electric Trane HVAC US (METUS) has expanded the S-Series (PUMY) line of heat pumps to include Hyper-Heating INVERTER® (H2i®) technology. Part of the CITY MULTI® family of products, the PUMY is a single-phase multi-zone heat pump designed for light commercial or large residential applications. PUMY units enhanced with hyper-heating capabilities offer up to 100% of rated heating capacity at 5°F and perform at 78% of rated capacity in temperatures as low as -13°F.

### BENEFITS

- H2i technology available in PUMY-HP36 (3-ton) and HP48 (4-ton) models
- Can heat or cool up to 12 individual zones from one system
- Uses the CITY MULTI Controls Network (CMCN)
- Connects to a variety of indoor unit sizes and styles
- Meets ENERGY STAR® certification standards

### TESTIMONIAL

*"It's funny because it's so quiet that some of our guests think the heating and cooling system is not working at first because there's no 'kick on' of the compressor or cold blast of air. After 5 minutes, our guests realize it's on when they realize the room is comfortable. The simplicity of the Mitsubishi Electric technology has been great for our guests."*

- **Ryan Bean, Director of Development, Sydell Group** | Project: NoMad Hotel



## METUS ON-DEMAND WEBINAR



### GETTING STARTED WITH VRF

This presentation provides insights into requirements, advantages and opportunities associated with VRF systems and addresses common misconceptions.