



Maintaining a Healing Environment Through Acoustic Control at Sarasota Memorial Hospital

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OVERVIEW

Sarasota Memorial Hospital operates around the clock, supporting patient care, surgical suites, recovery rooms, and diagnostic spaces. Maintaining low background noise levels is essential to creating a healing environment and supporting clinical accuracy.

The hospital's HVAC ductwork, air handlers, and mechanical piping systems run continuously, creating potential pathways for vibration and airflow noise to travel into occupied spaces. Addressing this noise at the source was a priority for facility management.

CHALLENGES

Airborne noise from HVAC ductwork and vibration from mechanical piping were transmitting into patient rooms and corridors. Condensation on chilled water piping also posed risks for maintenance and system efficiency. The hospital required a solution suitable for healthcare and cleanroom-adjacent environments.

SOLUTION:

All Noise Control installed ANC-B10LAG2 soundproof pipe and duct wrap on HVAC ductwork, chilled water lines, hot water piping, and mechanical room equipment. The fiberglass pipe wrap layer absorbs vibration and reduces structure-borne noise, while the high-density vinyl barrier blocks airborne sound from escaping mechanical systems.

The R-value of 9 provides high-performance thermal insulation, improving energy efficiency and preventing condensation. Designed for durability and moisture resistance, ANC-B10LAG2 supports long-term performance in both indoor mechanical spaces and limited outdoor pipe wrap applications commonly found in hospital campuses.

RESULTS:

- Reduced background noise in patient and recovery areas
- Improved system reliability and condensation control
- Enhanced acoustic performance in controlled environments
- Durable pipe soundproofing wrap for healthcare use