

CASE STUDY

Seamless Ceiling Solutions

KR Wolfe completed the installation of AirFRAME ceiling systems in two interventional radiology labs at a Philadelphia hospital, navigating tight structural constraints and exacting dimensional requirements. With no steel in place and limited space between the finished ceiling and the deck, the team used precise layout, advanced leveling techniques, and close coordination with trade partners to ensure the system met the surgical and imaging vendor's specifications. The project was completed on time, on budget, and fully ready to support the hospital's advanced technology.



Project Results

Improved Efficiency via Collaboration

- ✔ Collaborated closely with the steel contractor to ensure proper support and seamless integration, saving time and avoiding costly rework.

Precision Installation

- ✔ Ensured accurate leveling and successfully met the required ceiling height, overcoming the space and structural constraints.

Streamlined Equipment Handling

- ✔ Oversized pallets were safely disassembled, staged, and delivered to each lab, ensuring installation stayed on schedule with minimal disruption.

Reliable, Long-Term Performance

- ✔ Each module was precision-leveled, securely fastened, and sealed, resulting in a durable system built for consistent operation.

KR Wolfe installed AirFRAME ceiling systems in two interventional radiology labs despite tight structural constraints, with only 14.25–15 inches from deck to finished ceiling, just enough to accommodate the 14-inch-deep system required at 9'4". With no existing steel framework and no ability to drill into the waffle slab, the team coordinated with a steel contractor to add support, precisely cut and leveled drop rods using lasers and shims, and assembled each module with chain hoists. After overcoming delivery and staging challenges, the system was installed, sealed, and finished per client requirements, completed on time and on budget, delivering fully operational ceilings ready to support advanced surgical and imaging technology with minimal disruption to hospital operations.

Equipment Installed

- AirFRAME modular ceiling system

Challenges

- Client was looking for qualified technicians available to install new ceiling system.
- The waffle slab height was different across the rooms.
- The finished ceiling needed to be exactly 9'4" to accommodate the imaging vendor's system, with the 14" deep AirFRAME fitting within a tight space of 14.25–15" from the finished ceiling to the deck.
- No steel in place to mount the system when we arrived onsite.

Conclusion

The successful installation ensured the interventional radiology labs met exacting specifications, providing a safe, precise, and fully operational ceiling system that supports advanced surgical and imaging equipment and enhances overall workflow efficiency for the hospital.



“The KR Wolfe team worked hard, followed instructions, and was willing and eager to learn and just had overall good attitudes. It was a challenging overhead job, and they made the best of it.

It also turned out really well, and the customer is very pleased”

Field Service Manager



Scan the QR code to learn more about partnering with KR Wolfe today.