



METALWORKS™  
Airtite™ Panels  
Radiant Ceiling  
Systems

# Efficient Temperature CONTROL

MetalWorks™ Airtite™ radiant ceiling systems circulate hot or cold water through concealed copper tubing providing sustainable heating and cooling with minimal air ventilation requirements.

Hydronic radiant ceiling systems heat and cool your space more efficiently than traditional heating and cooling systems, bringing comfort to all occupants. They can be incorporated in various ceiling solutions including lay-in and torsion spring, providing unrestricted floor space and layout flexibility.

## Read Between the Lines

MetalWorks™ Airtite™ AR-B architectural panels ▶  
James B. Hunt Jr. Library, North Carolina  
State University, Raleigh, NC









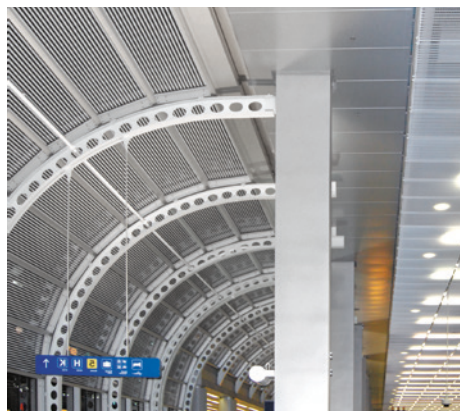
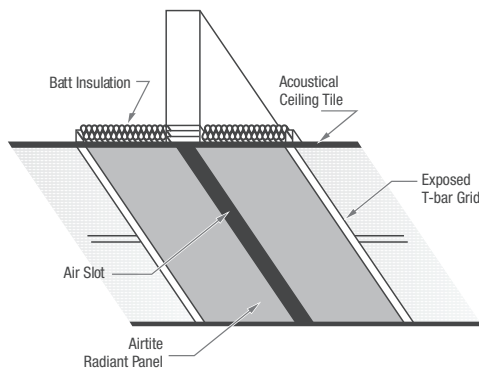
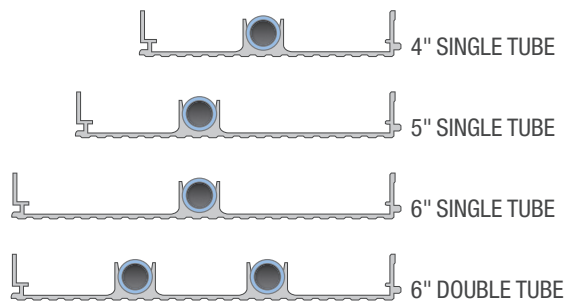
▲ MetalWorks™ Airtite™ AR-B architectural panels; Pomona College, Claremont, CA



# COMFORT, FLEXIBILITY, AESTHETICS

- Save energy while providing increased occupant comfort
- Efficient, lightweight radiant panels heat up and cool down quickly
- Surfaces are uniformly heated or cooled
- Eliminates hot and cold air drafts
- Increased ceiling heights with reduced plenum depth
- Acoustic infill panels available
- Metal ceiling solutions that complement your design style

# AIRTITE™ RADIANT CEILING SYSTEMS



MetalWorks™ Airtite™ radiant ceiling panels offer solutions that fit the look, space, and energy requirements for many kinds of applications.

## AR-X: EXTRUDED RADIANT PANEL

AR-X extruded aluminum hydronic radiant panels are ideal for perimeter heating and cooling, eliminating exterior wall heat gains (summer) and cold down drafts (winter), providing a comfortable thermal environment. The panels can be constructed with 4", 5", and 6" extrusion to accommodate a variety of width requirements. Bullnose and 4" vertical extrusion can be utilized to complete the assembly.

## AR-D: DIFFUSER PANEL

The AR-D panel combines an extruded radiant assembly and an integrated air diffuser panel, resulting in a unit with a seamless, streamlined finish. Three-position air pattern controllers can range from 12" to 60". Blank offs, as required, will provide a continuous slot appearance.

## AR-M: MODULAR PANEL

AR-M panels are manufactured in 24" x 24" and 24" x 48" lay-in non-perforated panels. The AR-M panels have four heat exchange rails bonded to the panel, incorporating integral sinuous copper coils on the back of the panel.

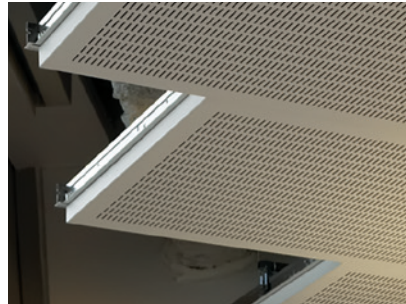




▲ MetalWorks™ Airtite™ AR-B architectural panels; Portland PDX Airport Headquarters, Portland, OR

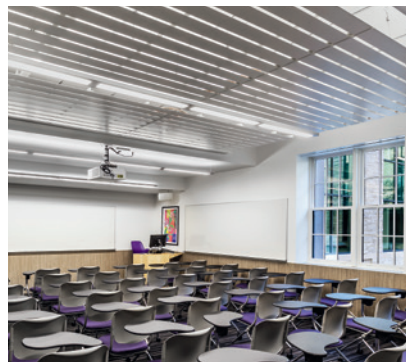
### AR-B: ARCHITECTURAL PANEL

AR-B panels are architectural perforated metal ceiling panels typically fabricated with aluminum, providing the better heat transfer and, therefore, better radiant performance. AR-B panels are activated by bonding aluminum extrusions (heat transfer rails), incorporating integral sinuous copper coils. Increase NRC values by utilizing fleece, encapsulated infill pads, or recycled cotton insulation. Flexible braided SST hoses can be used to interconnect the panels.



### AR-L & AR-C: RADIANT & CONVECTION PANELS, LINEAR & CURVED PROFILES

The AR-L and AR-C are high capacity radiant cooling linear systems incorporating both radiant and high convective cooling. The panels can also be used as a radiant heating system. The AR-L and AR-C can be installed in a variety of applications.



# TAKE THE NEXT STEP

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On the cover: ►

MetalWorks™ Airtite™ perimeter radiant panels  
and radiant torsion spring cooling panels;  
James B. Hunt Jr. Library, North Carolina State University, Raleigh, NC

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CEILING SOLUTIONS