

**Energy Efficient**  
**Comfortable**  
**Clean**  
**Quiet**

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**RADIANT CEILING SYSTEMS**





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# The Company

Aero Tech Manufacturing Inc. is a leading producer of Radiant Ceiling Panels and systems. Headquartered in metropolitan Salt Lake City, Utah in a 70,000 square foot facility located minutes away from major airport and transportation centers.

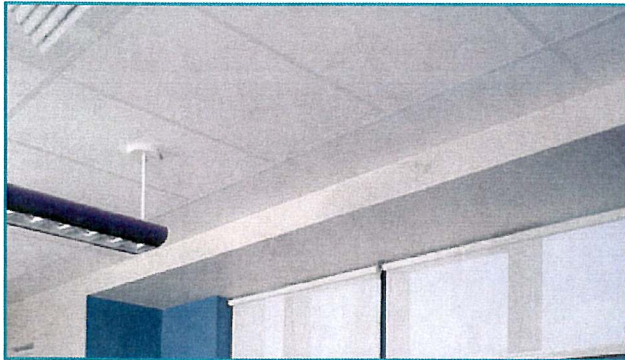
Aero Tech has manufactured over a million square feet of ceiling panels. Installations include hospitals, schools, laboratories, airports, athletic facilities and office buildings.

*Meeting the commercial heating needs of engineers, architects, builders and heating contractors.*

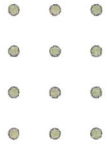
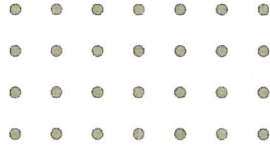
Aero Tech Radiant Ceiling Panels are widely recognized for their unmatched quality of design and performance. The wide range of panels will meet most heating requirements.

*Standard and custom design.*

When design schemes or retrofit constraints call for uniquely shaped panels, Aero Tech's custom fabrication capabilities allow imagination to become reality. The designer may specify size and shape variations of standard panels, as well as totally customized shapes.

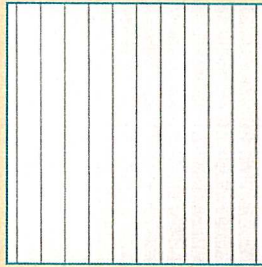


*Aero Tech Manufacturing Inc.*





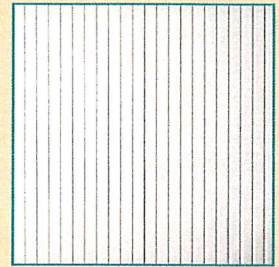
# Advantages of Aero Tech Metal Ceilings



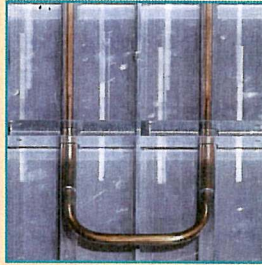
Standard Fluted  
Extruded Panel



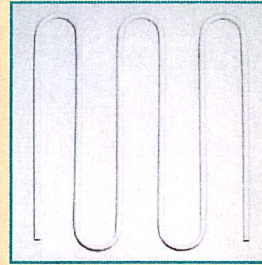
Formed Metal Panel



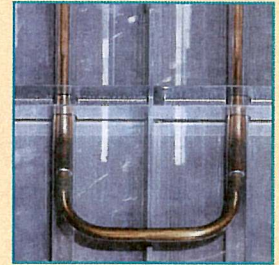
Low Pressure Drop  
Extruded Panel



Fluted Extruded  
Panel Back  
.505" ID Copper Tube



Formed Metal  
Panel Back  
.505" ID Copper Tube



Low Pressure Drop  
Extruded Panel Back  
.578" ID Copper Tube

**DIVERSITY**—Panel size, color and finish are available in virtually unlimited combinations, resulting in ceilings of unexcelled beauty and compatibility with architectural style.

**DURABILITY**—Metal ceiling panels ensure that ceilings will last for the life of the building.

**REDUCED MAINTENANCE**—A simple, occasional cleaning will maintain ceilings for the life of the building.

**SOUND CONTROL**—Perforated metal ceiling panels offer excellent sound control when backed with acoustical insulation.

**COLOR RETENTION**—Baked enamel finishes ensure that color and finish are permanent.

**INCOMBUSTIBILITY**—All metal construction ensures that ceiling panels are non-combustible.

- Lower life cycle costs due to reduced maintenance and energy requirements.
- Improved comfort levels when compared to other environmental conditioning systems.
- Wall, floor and structural systems are simplified because mechanical equipment is not required at the outside walls.
- Centrally located equipment simplifies and reduces maintenance and operation costs.
- Central zoning and seasonal changeovers are not required. Sequential heating and cooling may be obtained.
- Modular panel concept allows flexibility to meet changes in partitioning.
- Reduced air quantities mean a 100% outdoor air system may be installed with minimum heating and cooling loads.
- No space required within the conditioned room for mechanical equipment. This is of particular value for applications in existing buildings, hospital patient rooms and other applications where space is at a premium.
- Wet surface cooling coils are eliminated from the occupied space, reducing the potential for septic contaminations.
- The system operates very quietly.
- Total system energy requirements are reduced due to minimum air quantities and the inherent ability of radiant panels to provide a higher degree of human comfort.



## *Extruded Aluminum Radiant Panels*

Extruded Linear Radiant Ceiling Panels are constructed of 5," 6," 8" or 9" wide extruded aluminum strips. The Extruded Panels interlock together by means of tongue and groove joints and are held together as a unit by stiffeners on the back. Active strips have .505" ID copper tube inserted into "U" shaped channels on the back of the extrusion. The "U" shaped channel is then formed more than half

way around the copper tube for increased thermal conduction and to eliminate any separation of the copper tube and aluminum strip. The small gap between the rolled-over lips of the aluminum extrusion provides easy access to the copper tube. This feature means Extruded Panels are ideally suited to situations where field modification to the panels is likely. The standard tube ends will accept a 3/8"

type "L" soft copper tube without the need for fittings. Two coats of baked enamel paint are applied to the finished side of the panel. Face configurations are available in V-groove, fluted and smooth.



*Atrium, Evans Army Community Hospital, Fort Carson, Colorado.*



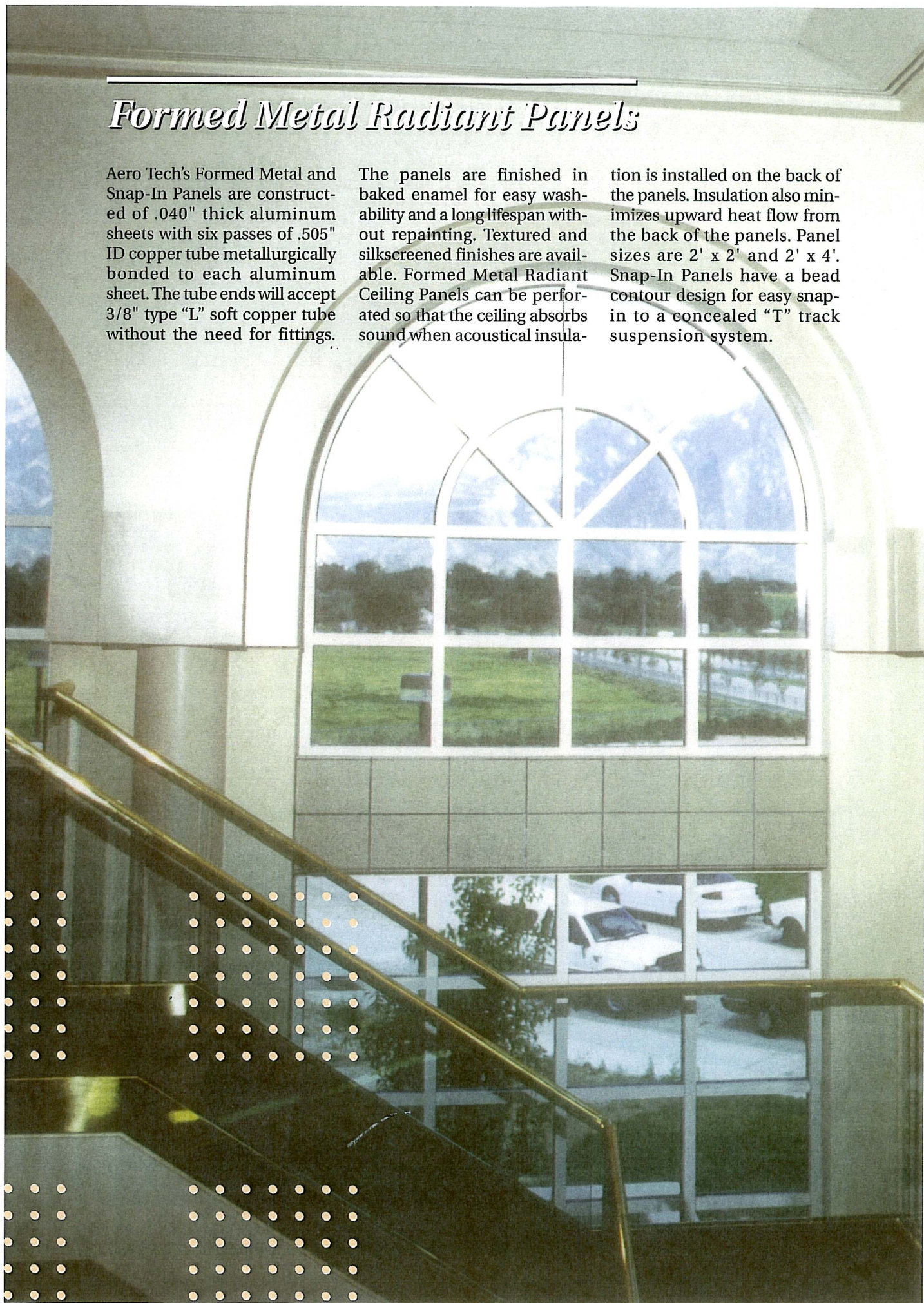
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## *Formed Metal Radiant Panels*

Aero Tech's Formed Metal and Snap-In Panels are constructed of .040" thick aluminum sheets with six passes of .505" ID copper tube metallurgically bonded to each aluminum sheet. The tube ends will accept 3/8" type "L" soft copper tube without the need for fittings.

The panels are finished in baked enamel for easy washability and a long lifespan without repainting. Textured and silkscreened finishes are available. Formed Metal Radiant Ceiling Panels can be perforated so that the ceiling absorbs sound when acoustical insula-

tion is installed on the back of the panels. Insulation also minimizes upward heat flow from the back of the panels. Panel sizes are 2' x 2' and 2' x 4'. Snap-In Panels have a bead contour design for easy snap-in to a concealed "T" track suspension system.







*University of Utah's Rice-Eccles Stadium.*

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