

Frequently Asked Questions (FAQ)

I have really high vaulted ceilings, doesn't heat rise?

Warm air rises, radiant heat travels in straight lines at the speed of light. Your wood floors will be about six (6) degrees F cooler than the ceiling, or about 84F. That's a warm floor!

I'm concerned about mold in my house. Isn't there a problem with condensation in radiant cooled buildings?

Mold is a problem in air conditioned buildings. Radiant cooling panel systems are controlled to avoid condensing conditions and mold.

Several companies make very efficient dehumidifiers which can be used to avoid dampness and mold growth.

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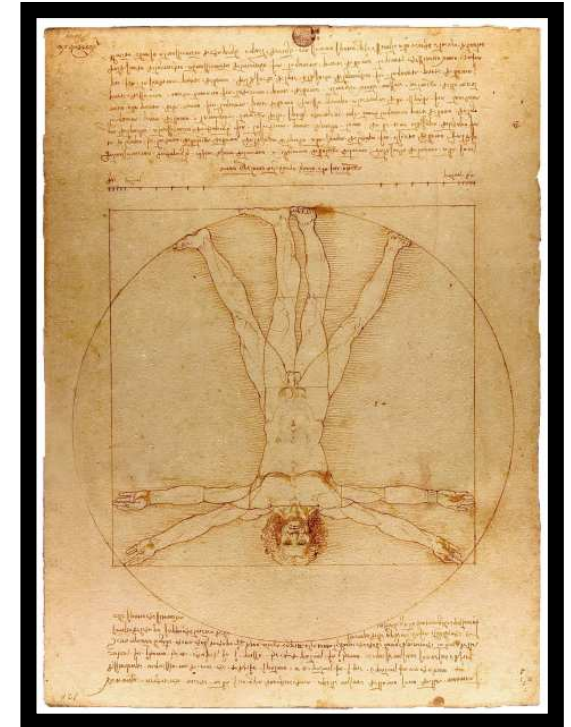
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xLath™ Heat Exchange Modules

xLath™ modules are building integrated hydronic radiant ceiling heating and cooling terminal units for low rise light frame buildings.

xLath™ Benefits

- **Cheaper**
 - Costs about the same as air duct installation
 - Costs much less to operate
- **Faster**
 - Installs quicker than ducts
 - Heats and cools more rapidly than radiant slabs
- **Better**
 - Radiant heating & cooling
 - Optimum energy efficiency
 - No duct or slab losses
 - Superior radiant comfort
- **Healthier**
 - No scorched air
 - No dusty ducts
 - No place for mold growth



xLath™

Turning radiant on it's head!

xLathTM

Heat Exchange Module

xLathTM is a hydronic radiant heat exchange module affixed to the ceiling!

xLathTM combines the Resilient Channel (RC) sound isolation specification with a hydronic tube fin that includes heating and cooling capabilities.

An xLathTM assembly is a building integrated hydronic heating and cooling radiant panel. A patent is pending for the xLathTM specification.



Constructing hydronic radiant heating and cooling panels with xLathTM heat exchange modules is simple, rapid and cost effective.

xLathTM modules are nominally 16"x24" and utilize any approved nominal 1/2" (5/8" OD) SDR9 flexible tubing.

xLathTM modules are designed to be installed perpendicular to the ceiling joists and work on both 16" and 24" layout.



xLathTM may be installed by the drywall, or mechanical contractor. xLathTM is installed on the building frame after plumbing, electrical and insulation contractors have completed their work.

In each room additional lath strips will need to be installed to complete the drywall background plane. To complete xLathTM module installation, the tubing is snapped into the groove, connected to the manifolds and pressure tested. Drywall is affixed to face of the xLathTM modules and finished in any manner.

The retail price for an xLathTM HXM1624G30 module is \$13. There are 30 modules (80sf) per box. Each xLathTM module weighs 1.9 lbs (0.72 lbs / sf), each box weighs 57 lbs.

Finished room with xLathTM radiant ceiling

Green residence Napa Valley



Cool ceiling thermo-graphic image

