

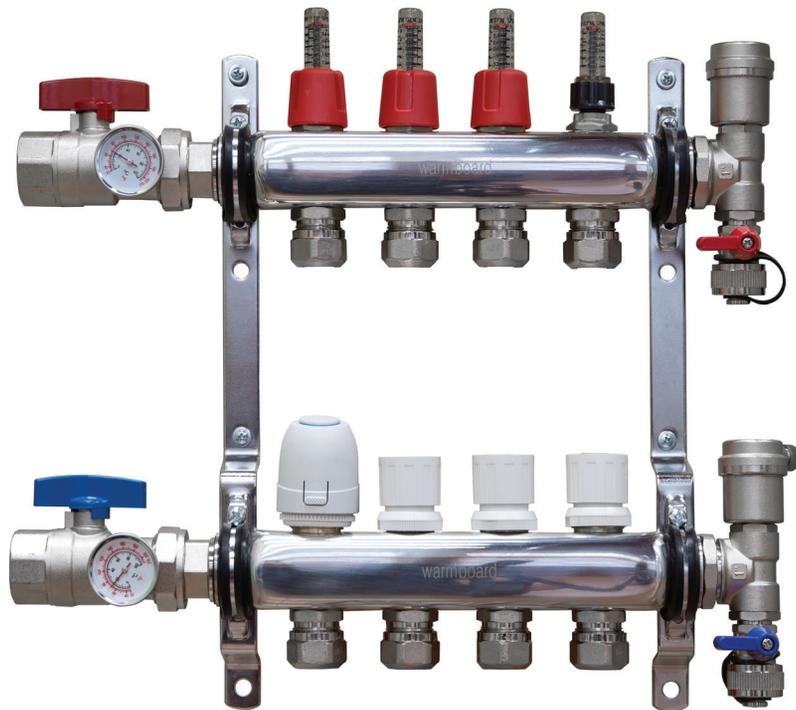


warmboard®



When convenience is important.  
Warmboard radiant

# Performance aligns with convenience



## T&M

As part of our commitment to simplify the processes surrounding radiant floor heating, Warmboard offers tubing and manifolds with every project. Now, when ordering panels, you can also purchase these necessary mechanical components and have them shipped at a time most convenient for your job site. And because our Design Team has done the layouts for your project, we know exactly how much tubing you'll need and the types of manifolds for a successful installation. With a word, we can add the appropriate items to your order, and you're done. One less thing to worry about.



## Tubing

Warmboard offers PEX-Aluminum-PEX tubing with every panel order. The 1/2" tubing uses the silane cross-linking method and provides 100% oxygen diffusion. Available in 300', 500' and 1000' rolls, our tubing is NSF tested to ASTM 1281 and CSA B137.10 standards. The tubing fits snugly into our Warmboard panels for easy installation and optimal, silent performance.

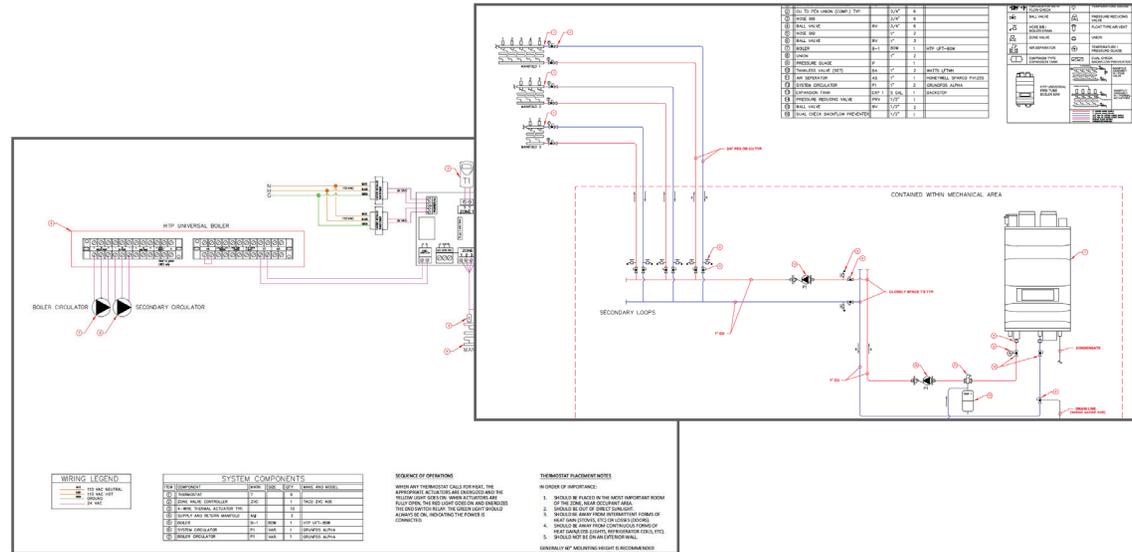
## Manifolds

Warmboard's high-quality manifolds are an ideal component in a complete Warmboard radiant system. Made from a 1<sup>1/4</sup>" stainless steel body, our manifolds offer adjustable flow rates from 0.0–1.3 GPM per loop. They can also carry up to 50% propylene glycol mixed with water and are certified ASTM F877 and CSA B137.50 testing standards.

## Actuators

As part of a streamlined hydronic heating system, Warmboard offers actuators which are perfectly paired with our manifolds, opening and closing on demand to allow heated water to travel to the correct loop and zone when needed. The 24 volt, 4-wire actuators have an operating capacity of 1.8 Watts.

# HLMD



Warmboard’s Heat Loss and Mechanical Designs include room-by-room heat loss analysis. All modeled data is based on your architectural plans and the weather history of your location; information necessary to properly size the boiler and ensure each room has adequate heat on the coldest nights of the year.

Our Design Project Summary includes BTU and water temperature requirements for each room. We document the required flow rates and pressure drops for each loop, essential when determining the size of the pumps, piping and distribution lines for the manifolds.

We include a complete plumbing schematic listing all the mechanical components necessary for the boiler room. We also include control schematics that document the electrical components for the heating system and the wiring details and location of each component. As an added convenience, every component is specified by brand name and model number, making the purchase of any component as painless as possible.

## The Benefits Of HLMD

Warmboard designs are specific for your project and account for heating needs, occupant comfort, efficiency, reliability and serviceability. They are uncomplicated and reduce overall cost by eliminating potential labor and material expenses. These plans incorporate all heating components, including Warmboard-S and/or Warmboard-R. In the field, general contractors can have knowledgeable plumbers install the radiant system with complete confidence.

Our designs are also a means to consistent comparisons. All heating professionals can bid to the same standard, making less work and less confusion for the General Contractor and heating professional. They also serve as a complete record of the heating system for homeowners; useful for service technicians or future homeowners in the event of a sale.