

US PATENT NO. 6,533,185
ADDITIONAL PATENTS PENDING

THERMALBOARD EUREKA

**MODULAR RADIANT
HEATING PANEL SYSTEM**

JOB:

DESIGNER:

CONTACT:

PRODUCT DESCRIPTION

Thermalboard Eureka is a modular radiant panel system comprised of grooved plywood boards laminated with aluminum designed to be used in new construction and remodeling over a sub-floor or when properly installed, over cement. The two board types in the Thermalboard Eureka system have two patterns; straight and end combo that are laid out and installed in a pattern and attached by means of construction adhesive combined with screws or cross stapling as recommended in the Installation Manual. The pattern creates the pathway into which 1/2" ASTM F 876-877 PEX tubing is placed.

TECHNICAL SPECIFICATIONS

Board Construction: Renewable Dense Fiber.
Sustainable Post Harvest Rice Straw MDF.

PEX Tube Spacing: 8" OC or 16" OC

Nominal Dimensions: 16" x 48"

Weight: 2.2 lb. /sq. ft. 18lb/ board

Thickness: 5/8"

Typical Board Mix: 62% straight. 38% Curves.

Surface: .003 Aluminum Laminate

Pallet Size: 4'x4'x32" Full.

PEX: 3/8" Nominal

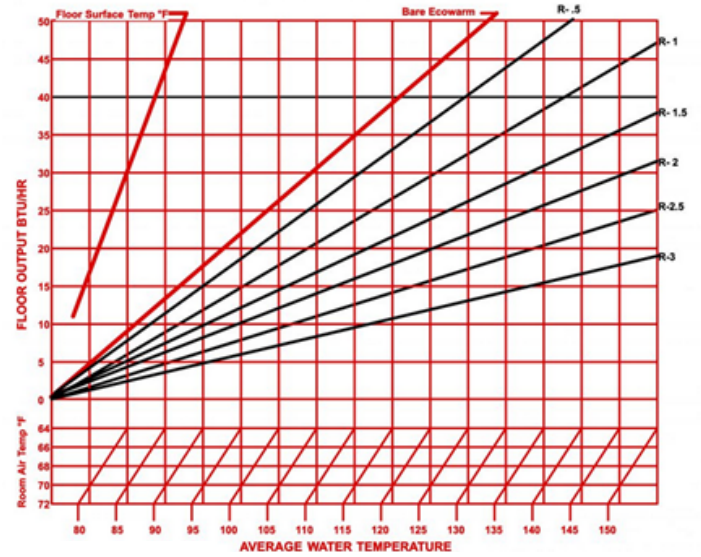
Pallet Capacity: 74 Boards per Full Pallet.

Groove Depth: 3/8"

Packaging: Corner protected. Shrink Wrapped

HOW TO USE THE PERFORMANCE CHART

First calculate the heating output required in BTU per hour per square feet. Proceed horizontally right across the page until you intersect the R-Value line of your floor coverings. Then drop straight down vertically to the horizontal line of your desired room temperature, then angle down to the left to read the average required water temperature. For example, if you need 15 BTU per hour per square foot with an R-5 floor covering and a 70F room temperature, you should get 95F average water temperature.



EFFICIENCY CHART

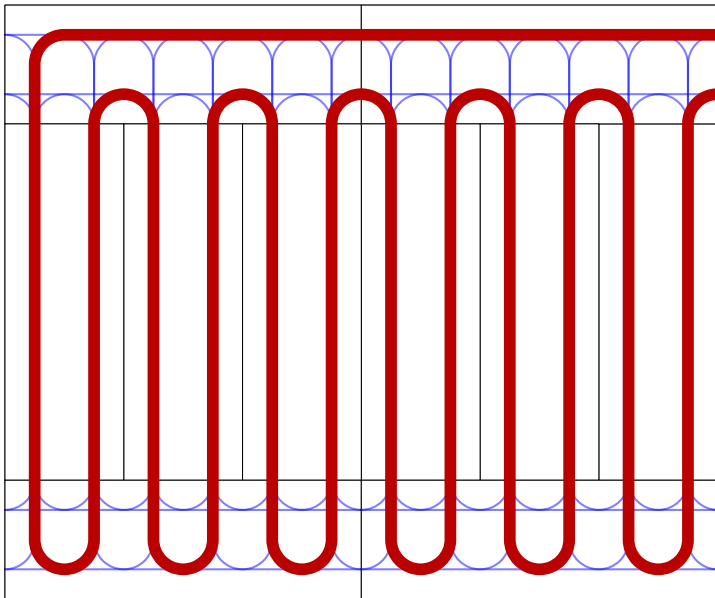
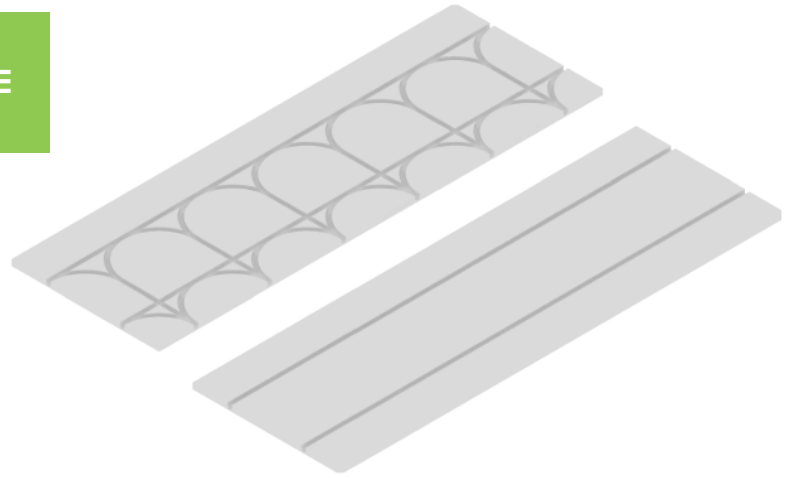
PROJECT SHOP DRAWINGS



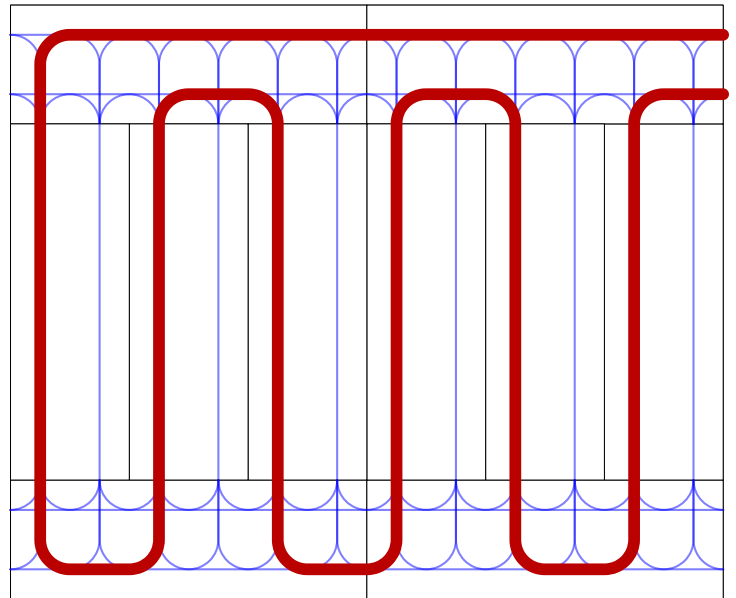
STRAIGHT: TBE-S1
VARIABLE: TBE-T1
COMBO: TBE-C1

This Thermalboard Eureka project shall be provided detailed project specific CAD drawings and schedules upon acceptance. System shall be installed as described in the current edition of the Thermalboard Installation Manual.

VARIABLE SPACING LAYOUT AVAILABLE



8" Sample Layout



16" Sample Layout

HOW TO USE THE PERFORMANCE CHART

We offer both 8" and 16" PEX tube spacing. Tighter spacing is beneficial where is heat load highest, while wider spacing serves lower heat load areas. This can provide you significant savings on both materials and labor.