

RADIANT COMFORT™

Hydronic Radiant In-Floor Insulation Panels

Job Name: _____

Job Location: _____

Product ID: _____

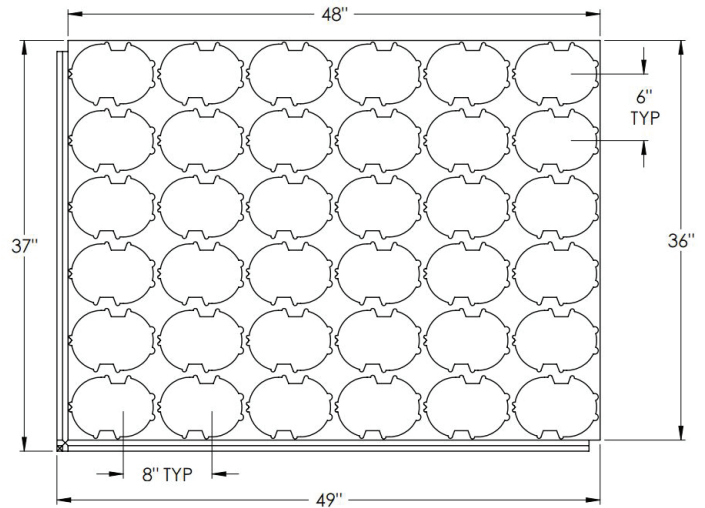
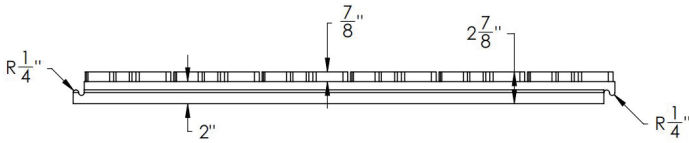
Contractor: _____

Date: _____

Notes: _____

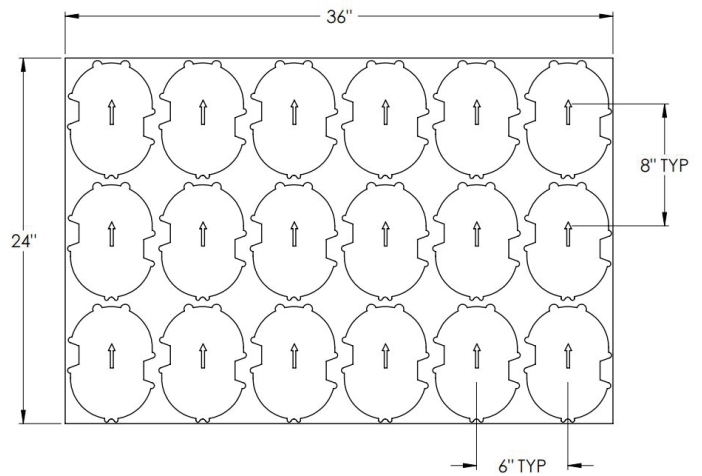
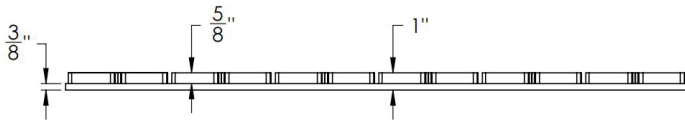
New Construction Panel

Product R-value: 12 at 75°F mean temperature
 Compressive Strength: 25 psi



Retrofit Panel

Product R-value: 4.2 at 75°F mean temperature
 Compressive Strength: 40 psi



PROPERTY	TEST METHOD	PRODUCT ID	
		NEW CONSTRUCTION PANELS	RETROFIT PANELS
Panel Size	-	3' x 4'	2' x 3'
Panel Thickness	-	2-7/8"	1"
Tube Size	-	Accommodates up to 5/8" tube	Accommodates 1/2" tube
Panel Design	-	Interlocking edges	Flush edge
Compressive Strength (minimum psi) @ 10% Deformation	D1621	25 psi	40 psi
Compressive Strength (minimum psi) @ 1% Deformation	D1621	11 psi	15 psi
Product R-value (minimum) at 75°F mean temperature	C518	12	4.2
Product R-value (minimum) at 40°F mean temperature	C518	13.5	4.7
Product R-value (minimum) at 25°F mean temperature	C518	14	4.9
Flexural Strength (minimum psi)	C203	50	70
ASTM Classification	C578	Type II	Type XIV
Water Absorption % by volume, maximum after 24 hour immersion	C272	1.25	1.25
Water Vapor Permeance (perms)	Typical E96	1	2
Surface Burning- Flame Spread and Smoke Developed	E84	Flame Spread 20, Smoke Developed 400 (meets code)	
Maximum Use Temperature	-	Short Term (10-15 minutes) 180°F, Long Term 165°F	
Number of panels per 4' tall pallet	-	16 (192 ft ²)	88 (528 ft ²)
Weight of 4' tall pallet	-	80 pounds	120 pounds
Number of pallets per 48' trailer	-	60	60

Thermal Resistance: R means the resistance to heat flow. The higher the R-value, the greater the insulating power.

Radiant Comfort is elastic with 1-2% deformation. To prevent long term creep, 3:1 design safety factors for static loads of the 10% deformation values are recommended, or use the tested 1% values for design.

CODE COMPLIANCE

Radiant Comfort insulation complies with the model building codes when properly installed:

- Surface Burning – UL BRYX.R16529
- Physical Properties – UL QORW.R16529
- ASTM C578

INSTALLATION AND HANDLING

Refer to the Radiant Comfort Installation Guide for further installation and handling instruction.

SAFETY

Dust generated from sanding or cutting Radiant Comfort should be avoided using a dust mask. Radiant Comfort insulation is combustible and the product should be protected from ignition sources such as open flames or welder's torch. Radiant Comfort requires a permanent separation of insulation from the interior of the building by a thermal barrier such as drywall, concrete or equivalent for fire safety.

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