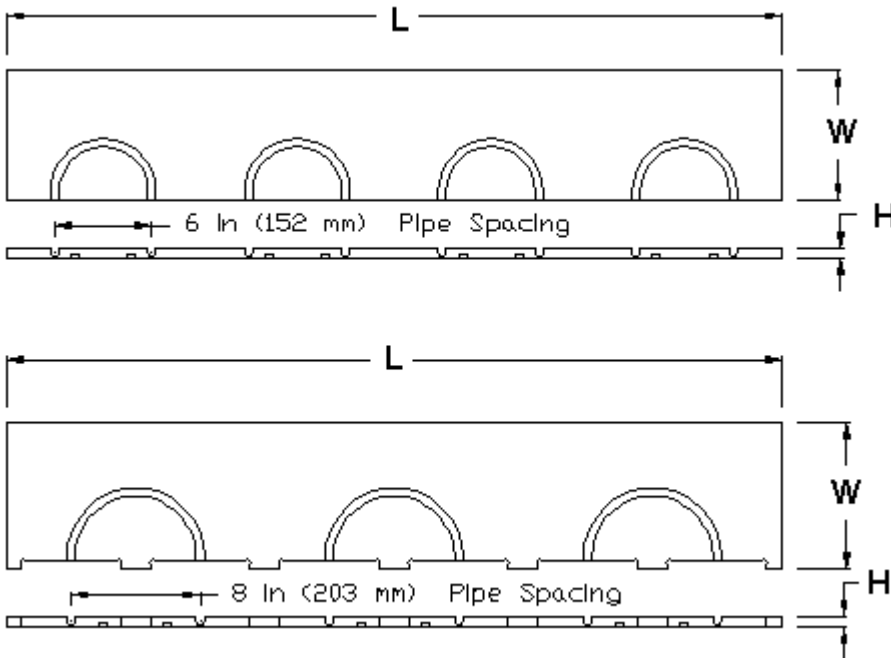


PRODUCT SUBMITTAL 710

Product: **RAUPANEL[®] Plywood Return Bends**
Date: **20 February 2019 (supersedes 24 July 2014)**



Article No.	Description	Length L in (mm)	Width W in (mm)	Height H in (mm)	Floor Coverage ft ² (m ²)	Unit Weight lb (kg)
235327-001	RAUPANEL return bend 6 in. OC	48.0 (1220)	8.0 (203)	0.625 (15.9)	2.7 (0.25)	4.0 (1.8)
235337-001	RAUPANEL return bend 8 in. OC	48.0 (1220)	9.0 (229)	0.625 (15.9)	3.0 (0.28)	4.5 (2.0)

TECHNICAL DESCRIPTION

Material	Construction-grade plywood
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FUNCTIONAL DESCRIPTION

RAUPANEL high-performance heat transfer panels are designed for radiant heating systems for new construction and retrofit installations. These heat transfer panels are used in radiant floor, wall and ceiling heating to efficiently and evenly distribute the heat from REHAU RAUPEX® pipe into the room. Panels are installed between the subfloor and the finished floor. Walls and ceilings may be used to increase the heat output of a room; panels are installed between the joists and the wall or ceiling covering in these applications. Precision-machined return bends align with the aluminum panels to provide a continuous groove for the RAUPEX pipe. Patented RAUPANEL aluminum panels have a special groove design that allows pipe to be snapped into place, maintaining excellent thermal contact for conductivity. Silicone or other filler materials are not required. Typically, components are secured to the subfloor or wall/ceiling joists and then the 3/8 in. RAUPEX pipe snaps into place. Pipe spacing can be 6 in (152 mm) or 8 in (203 mm) on-center, or a combination of both depending on the piping layout. RAUPANEL components are 5/8 in (15.9 mm) thick. Radiant floor heating systems are quieter than many other heating systems, but no one can ever guarantee that a heated floor will be noise free. By following proper installation practices and observing all manufacturers' recommendations, noise during heating system operation can be minimized. For additional precautions refer to REHAU *Technical Bulletin 257, Minimizing Noise in Heated Panel and Plate Systems*. REHAU RAUPANEL *Product Instructions* include specific recommendations regarding noise. A plywood subfloor is preferred underneath RAUPANEL; if OSB subflooring is used, then REHAU recommends applying a non-asphalt synthetic felt between the OSB subflooring and RAUPANEL.

MATERIAL PLANNING

For quick estimating purposes, the following guidelines may be of use for a typical piping layout. This material estimating information is not intended to be used for any particular project, nor as a final drawing requirement or specification, and is only provided as an aid for quick quotation purposes. REHAU LoopCAD® radiant design software is recommended for calculating material lists for any particular project.

	Piping Layout Pipe Spacing	Heated Area ft ²		Material Estimating Factor		Estimated Material Requirements
Art. 235327 return bend 6 in. OC	6 in (152 mm) on-center	_____	x	0.03	=	_____ pieces
	8 in (203 mm) on-center	_____	x	0.005	=	_____ pieces
				Sum Total	Σ	_____ pieces
Art. 235337 return bend 8 in. OC	8 in (203 mm) on-center	_____	x	0.03	=	_____ pieces