



# REHAU RADIANT HEATING SYSTEMS

## PERFORMANCE DIAGRAMS

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## SCOPE

**This technical information applies to the planning, installation and connection of REHAU radiant heating systems using RAUPEX® pipe.**

Persons using these diagrams and tables must be experienced and appropriately licensed hydronic heating system designers, who have an understanding of the principles and practices for system design and installation.

Performance diagrams are typically used when manually designing a radiant heating system. These diagrams supplement the REHAU *Radiant Heating Systems Design Guide* which demonstrates general methods of radiant heating system design. Designer must ensure differential temperature selected does not exceed maximum allowable temperature defined by the manufacturer of the flooring materials.

The designer should also review the REHAU *Sustainable Building Technology Product Catalog* which provides a detailed description of each system component, the REHAU *Radiant Heating Installation Guide* which provides guidelines for system installation, the REHAU *PEXa Limited Warranty* and pertinent supplemental REHAU *Technical Bulletins* before beginning to design a radiant heating system.

After reading the REHAU *Radiant Heating Systems Design Guide*, designers should attend the Skill Builders Complete seminar offered by the REHAU Academy, where design techniques are more fully explored. Designers should also periodically check the REHAU Resource Center for the latest updates to the technical instructions.

If you do not have prior experience with hydronic heating systems or require additional assistance, please contact your regional REHAU sales office.

Figure 1: RAUPANEL 6 in (152 mm) High Performance Heat Transfer Panels With 3/8 in. RAUPEX

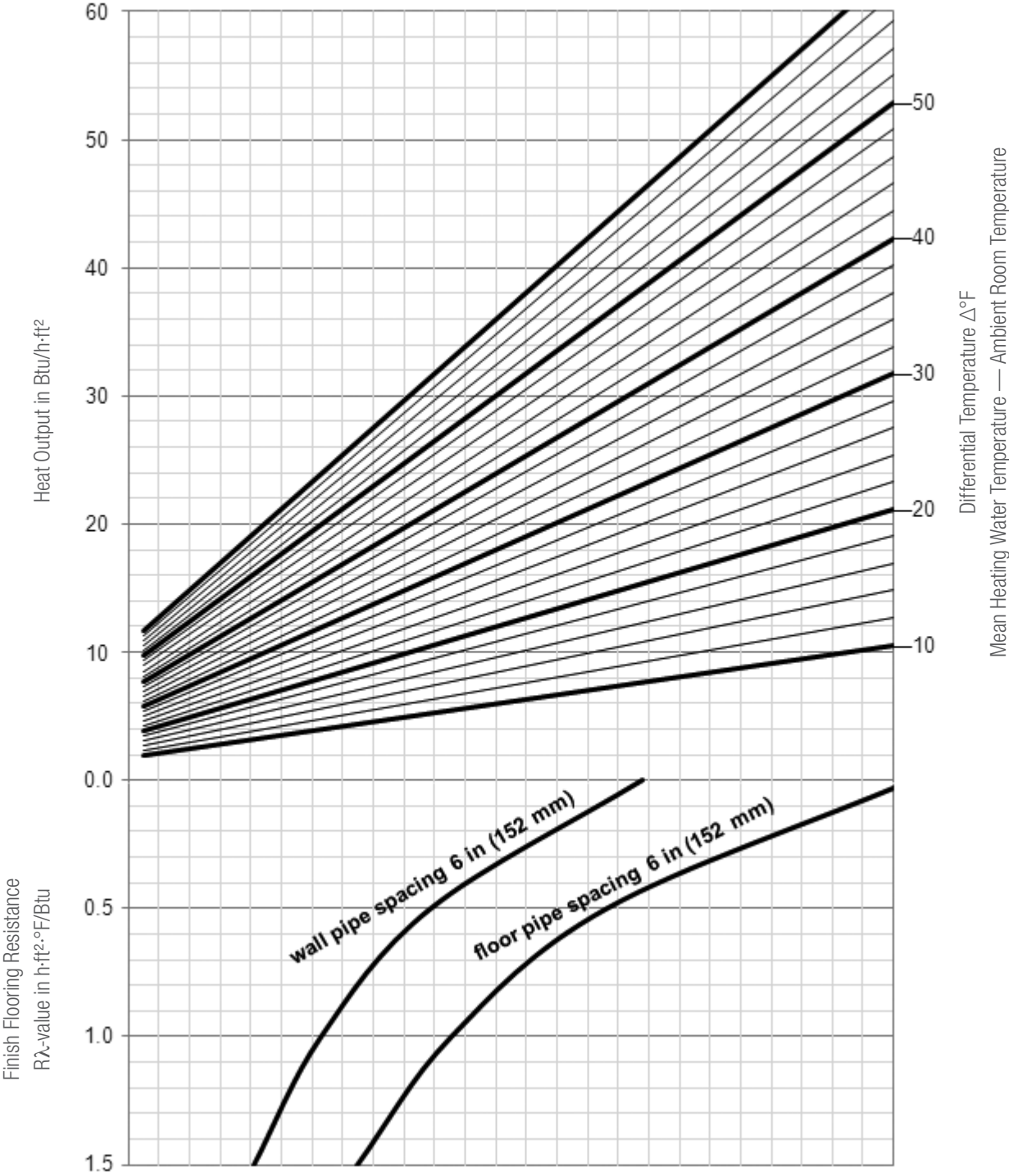




Figure 2: RAUPANEL 8 in (203 mm) High Performance Heat Transfer Panels With 3/8 in. RAUPEX

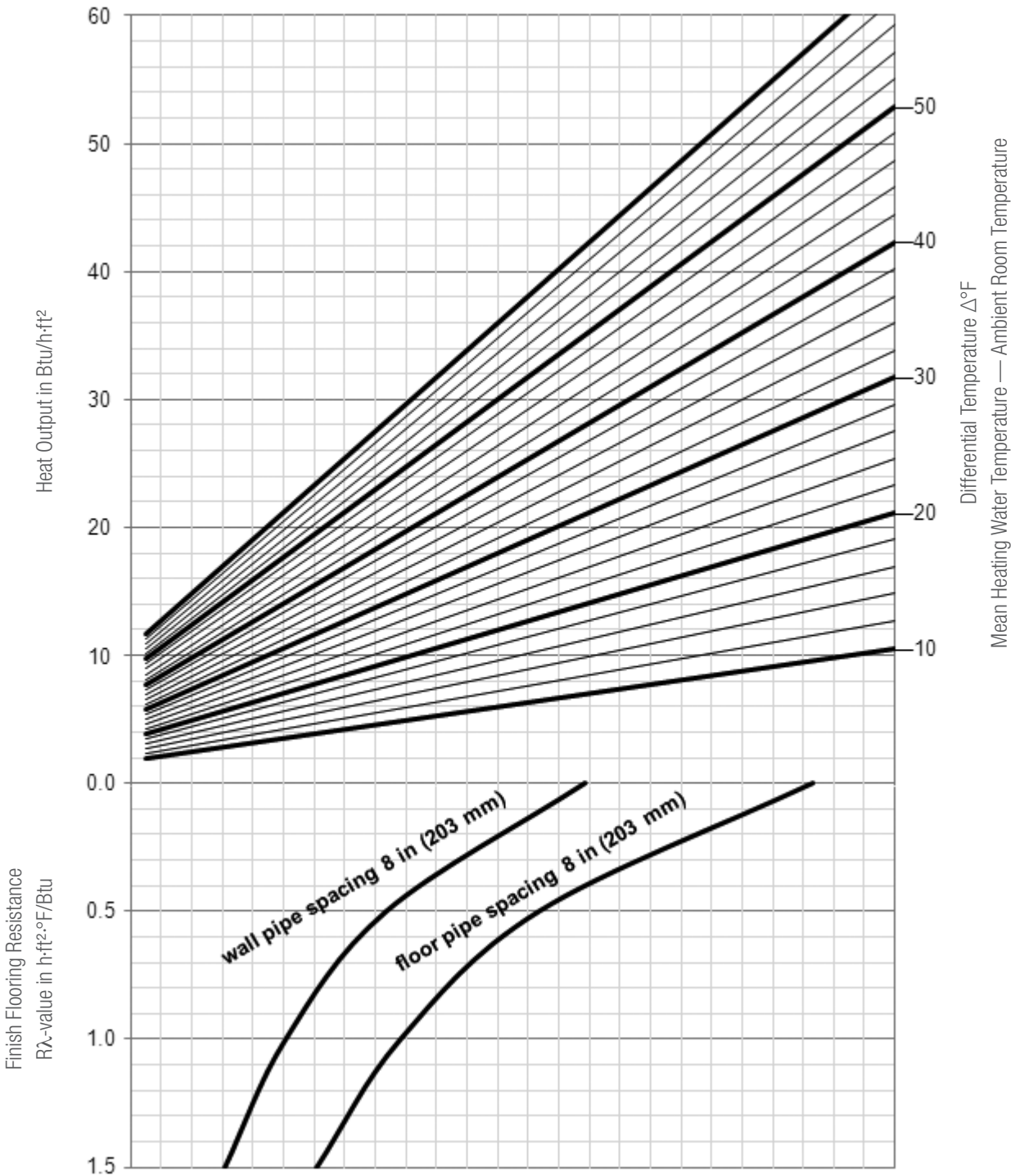


Figure 3: RAUBOARD Heat Transfer Panels With 10.1 mm RAUPEX

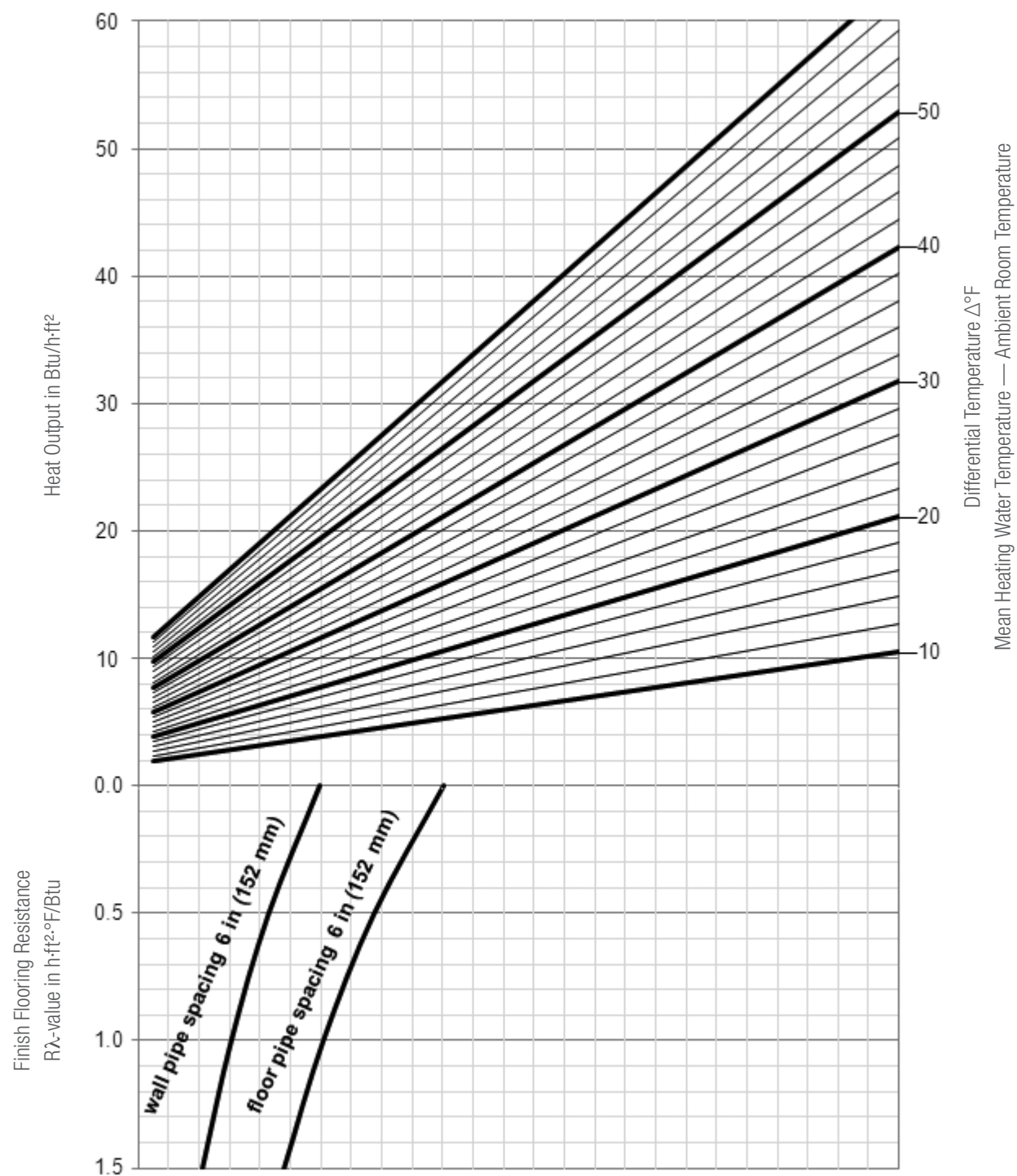


Figure 4: RAUPLATE Heat Transfer Plates With 1/2 in. RAUPEX (Subfloor 3/4 in [18 mm] Plywood)

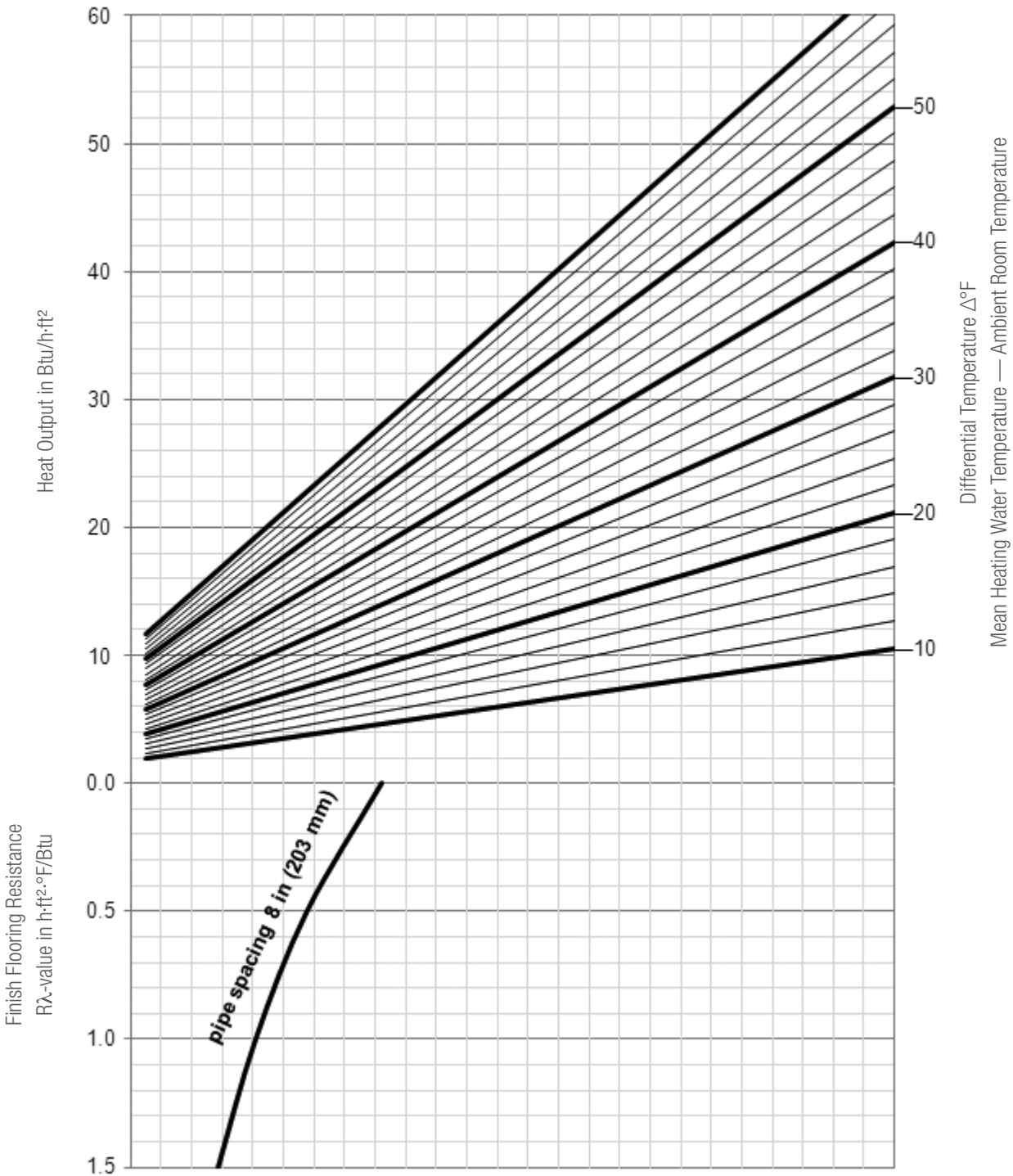


Figure 5: Heavy Gauge Heat Transfer Plates With 1/2 in. RAUPEX (Subfloor 3/4 in [18 mm] Plywood)

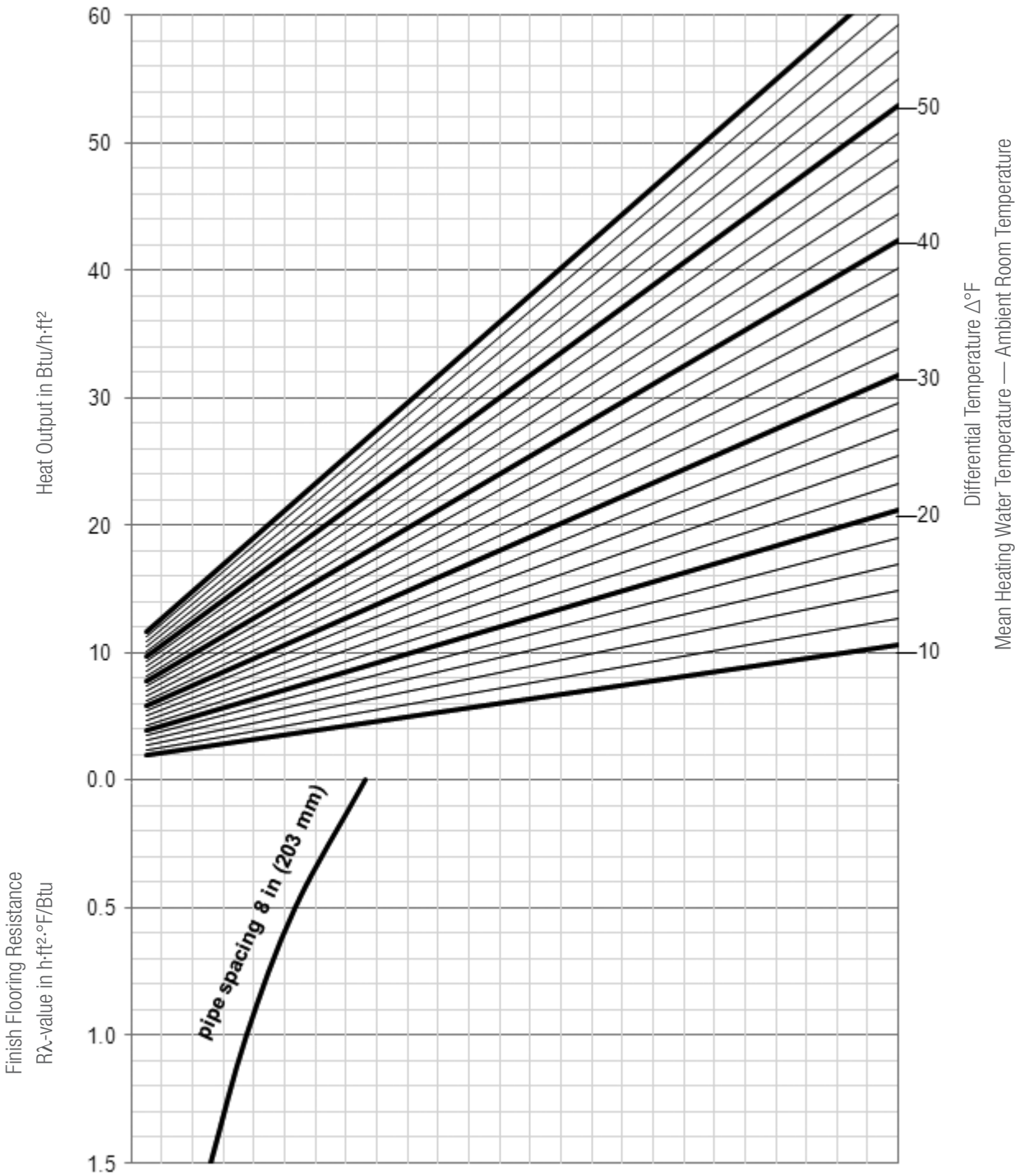




Figure 6: Light Gauge Heat Transfer Plates With 1/2 in. RAUPEX (Subfloor 3/4 in [18 mm] Plywood)

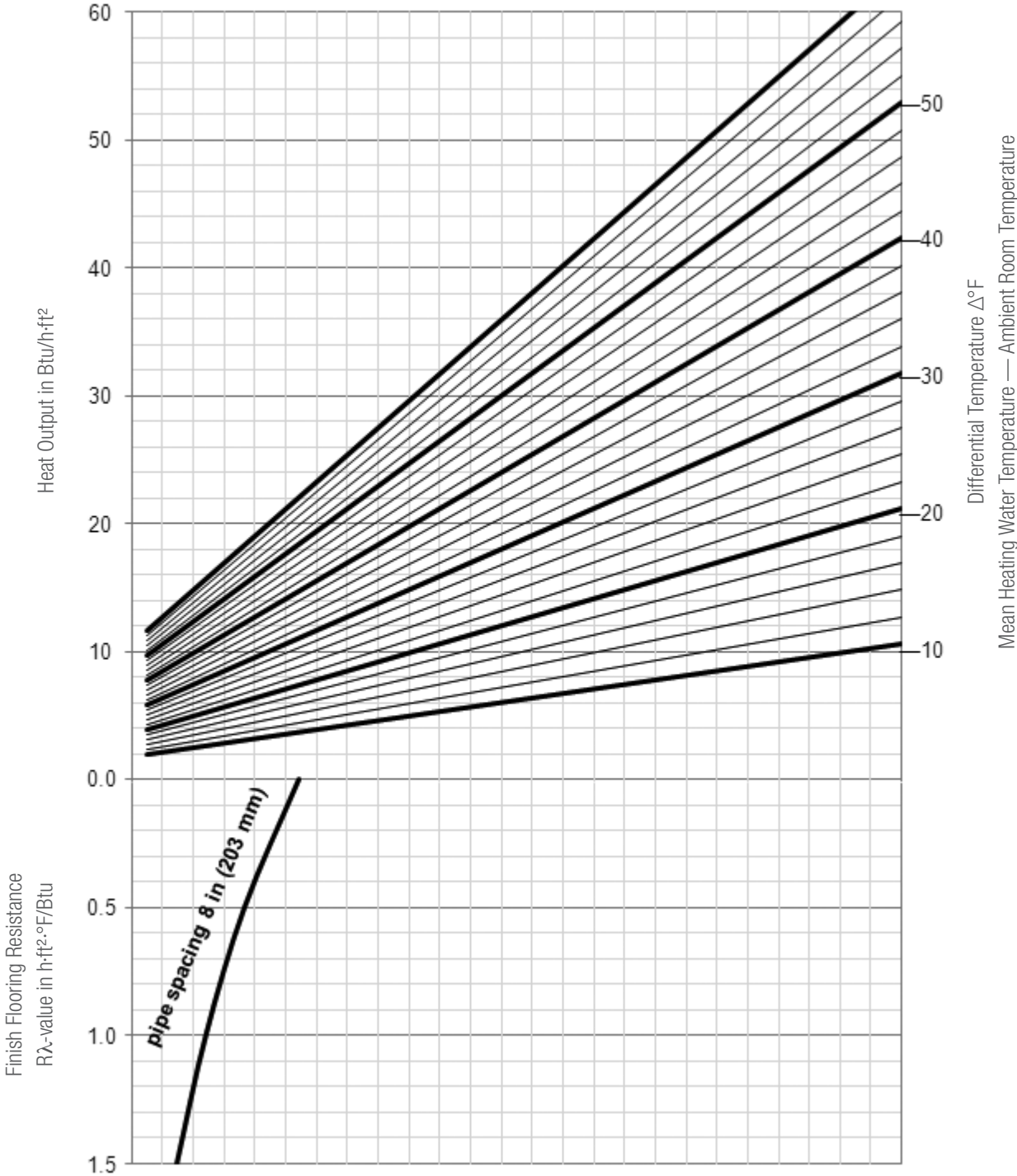
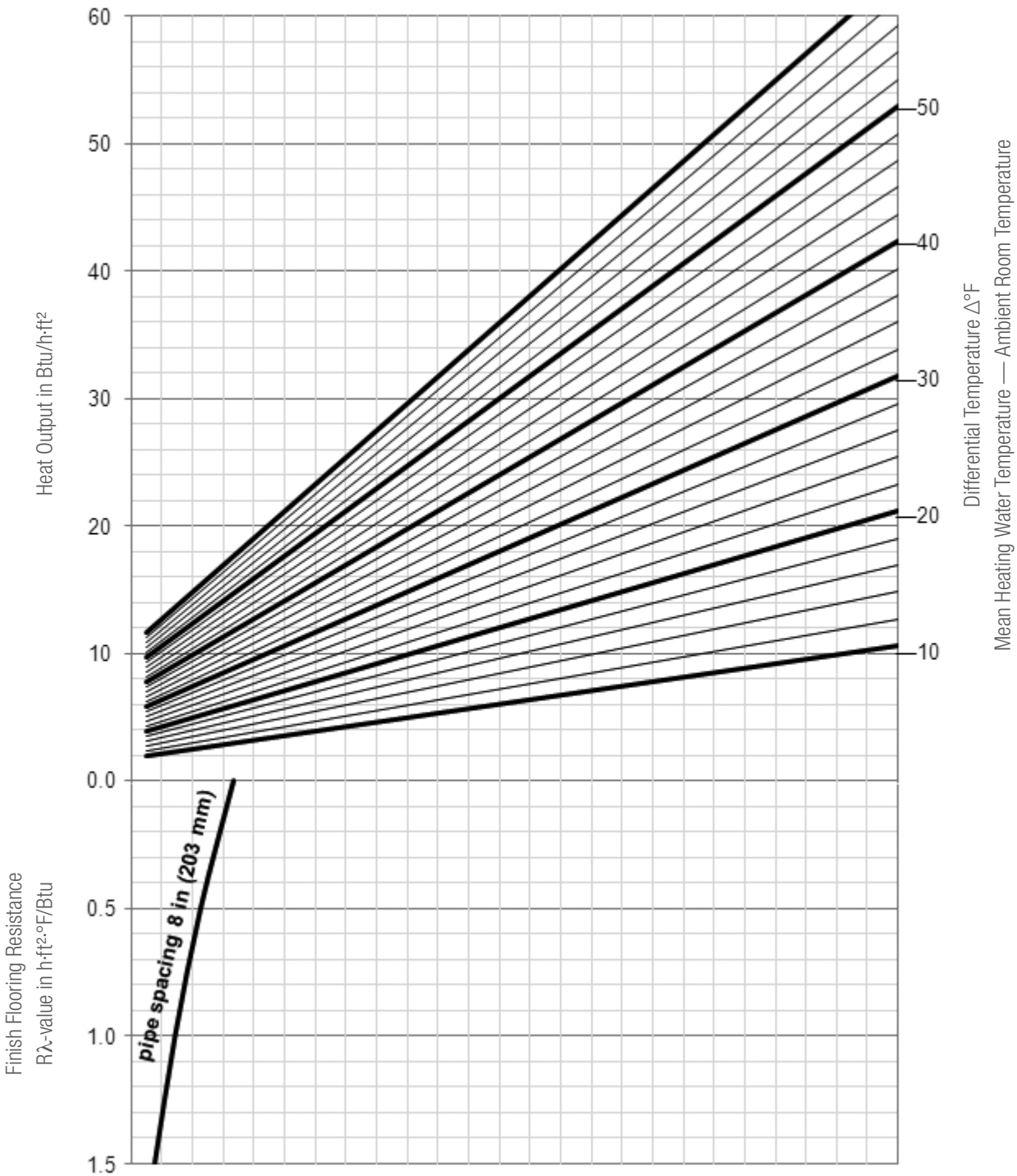


Figure 7: Talon-Up (No Heat Transfer Plates) With 1/2 in. RAUPEX (Subfloor 3/4 in [18 mm] Plywood)





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