

Technical Bulletin #13c

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PREMIER PANELS WITH I-JOIST'S

In an effort to offer our customers the optimum in energy efficiency, Premier SIPS utilize APA rated I-Joists as an interconnecting spline within our structural insulated panels. Utilizing the I-Joist spline minimizes the thermal short circuiting that may occur with other types of spline options. Premier SIPS has conducted full-scale destructive transverse load testing with an independent code recognized testing laboratory to determine the capacity of our Type I panels for various spans.

The Type I load chart summarizes the panel capacities obtained from full scale destructive testing of Premier SIPS Type I panels. It should be noted that when an I-Joist is used as a spline member it is spaced at a maximum of 4' on center and extends the full length of the panel. See PBS detail PBS-309, in the Premier SIPS typical details. The minimum bearing required to support the panel ends is 1-1/2". In the case of a single span roof panel, spanning from the ridge to the eave, the 2x blocking at the top and bottom of the panel will not be continuous because the I-Joist extends to the panel edges.

Current load charts maybe found at www.premiersips.com.