ROSEBURG

Technical Note

Double RFPI® Joists and Filler Blocking

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Roseburg Forest Products provides framing details for floor and roof applications in our Design Guide for Engineered Wood Products. Details for the use of double I-joists are shown on various pages in the floor and roof framing sections of the design guide. These framing details are intended for side loaded and cantilevered applications where a single I-joist is not structurally adequate. The details show the use of filler blocking between the double I-joists to assure that the I-joists are structurally connected together in order to share the load.

For floor or roof systems that are framed using two I-joists placed side-by-side (e.g. two side-by-side I-joists spaced at 16”o.c. rather than single I-joists at 8”o.c.), filler blocking is not structurally required provided both I-joists span from bearing to bearing, are uniformly top loaded, and the top flanges of both I-joists are continuously laterally supported by connection to the sheathing. In addition, the joint in the sheathing shall be positioned over the center of one of the two top flanges to assure shear transfer between sheathing panels. There is a possibility that side-by-side I-joists which are not connected together may rub against each other resulting in squeaks in the floor system.

If filler blocking is required for an application refer to the appropriate section of the Roseburg Design Guide for construction details.

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