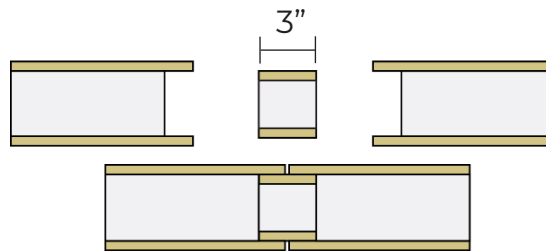


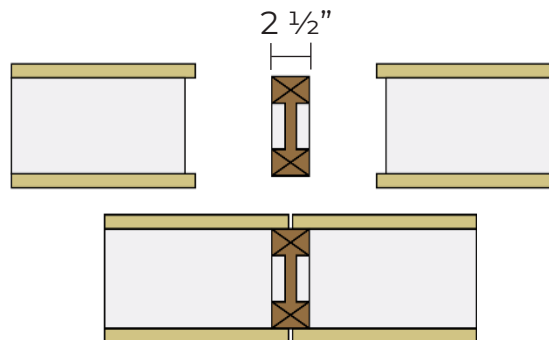
**SUBJECT: SPLINES (MINIMUM WIDTH)**

Premier SIPS use three types of splines for connecting its SIPs. The three types of splines are:

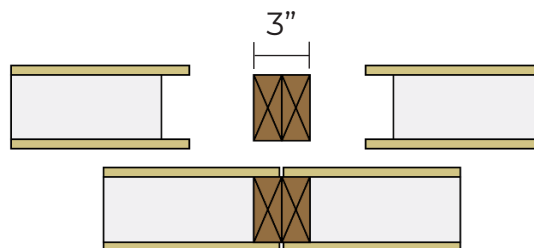
**TYPE S SPLINE:** Block spline, having a width of 3".



**TYPE I SPLINE:** I-Joist spline, having a width of 2 ½".



**TYPE L SPLINE:** Double 2x dimensional lumber spline, having a width of 3".



When following OSB manufacturers recommendation of 1/2" edge distance of spline to fastener, 3/8" edge distance of fastener to OSB on both sides of the 1/8" Sheathing Gap you end up with a minimum spline width of 1 7/8". However, that minimum of 1-7/8" spline width does not allow any room for the fasteners to deviate from the recommended edge nailing distances. Pneumatic nailing guns are used to install the fasteners and the accuracy with which an installer can hit the theoretical nailing line is impractical. Therefore, to ensure a proper nailing base for the fastening of joining Premier SIPS together, only splines that are 2.5" minimum width or greater are recommended by Premier SIPS. Further, Premier SIPS does not recommend the use of a single 2x, or any member that is less than 2 1/2" wide, as an acceptable spline member.

These splines and the corresponding minimum width for fastening have been recommended by OSB manufacturers for edge fastening distances and what is practical for actual site conditions.

That said, the minimum of 1-7/8" width for a spline does not allow any room for the fasteners to deviate from the recommended edge nailing distances. Pneumatic nailing guns are used to install the fasteners and the accuracy with which an installer can hit the theoretical nailing line is impractical. Therefore, to ensure a proper nailing base for the fastening of joining SIPS together, only splines that exceed a 2.5" minimum width is recommended by Premier Building Systems. Further, Premier does not recommend the use of a single 2x, or any member that is less than 2 1/2" wide, as an acceptable spline member.