

Midspan Bridging

Bridging is often required at floors and roofs when solid-sawn lumber joists are used. Bridging is a prescriptive code solution that is intended to provide lateral support to twisted joists to help maintain a vertical orientation that may occur when kiln-dried lumber equilibrates with the conditions inside the built environment.

Trus Joist® TJI® joists are made with no observable twist and have minimal material variation between joists within any specification group. Consequently, they do not see any significant benefit from bridging. Our code report (ICC-ES ESR-1153) specifically states that **bridging is not required for floor and roof TJI joist applications**.

Weyerhaeuser has found that the addition of bridging does little to improve floor performance and may create squeaks. Weyerhaeuser recommends against installation of bridging unless an unusual condition exists that would be improved by this addition. If mid-span bridging is specified by the Designer of Record (DOR), consult with the DOR for approval to omit.

Occasionally, bridging/bracing may be required in applications where the compression flange on the TJI joist is not braced with sheathing. For these instances, refer to technical bulletins [TB-125](#) & [TB-824](#) for additional information on bracing requirements.

