

## Achieving Drainage Slope with Parallam® Plus PSL

The following document addresses an application of Parallam® Plus PSL where it can be re-sawn in depth and maintain the [30 Year Warranty for Fungal Decay](#). This is an exception to the restrictions stated in *Resawing of Trus Joist® Products*, [TB-305](#), and specifier's Guide *Parallam® Plus PSL Beams, Headers and Columns*, [TJ-7102](#), that re-sawing in width and/or depth will void the dual warranty provided by Weyerhaeuser and Koppers Performance Chemicals.

### Exception – Cantilevered Balconies with Sloping Structural Members

When creating balconies that have sealed membrane decks, many specifiers realize that water penetration may occur as the assembly ages over time. Specification of preservative treated wood products is common in these systems to develop a redundant system for fungal decay protection in the event of accidental moisture intrusion.

To achieve positive drainage of water runoff on top of the deck, the structural members are typically tapered to follow the profile of the desired slope. Parallam® Plus PSL is permitted to be taper cut without voiding the 30-year warranty for fungal decay under the following conditions:

- Field treat cut surfaces with brush on treatments with preservatives containing Copper Naphthenate (2% Copper Concentration) or Oxine Copper.
- Beams are covered and protected by a sealed, membrane deck.
- The beam, including the taper, must be sufficiently designed to support all applicable loads for the anticipated use category.

In the event of a moisture penetration, products must be evaluated and repairs made to the assembly to meet original sealed balcony specification.

For design stresses, installation details and additional information please see the specifiers guide, [TJ-7102](#).

If you have any questions, please feel free to contact your Weyerhaeuser representative.

**See Guide [TJ-7102](#) for all further applicable notes, design, and installation information.**