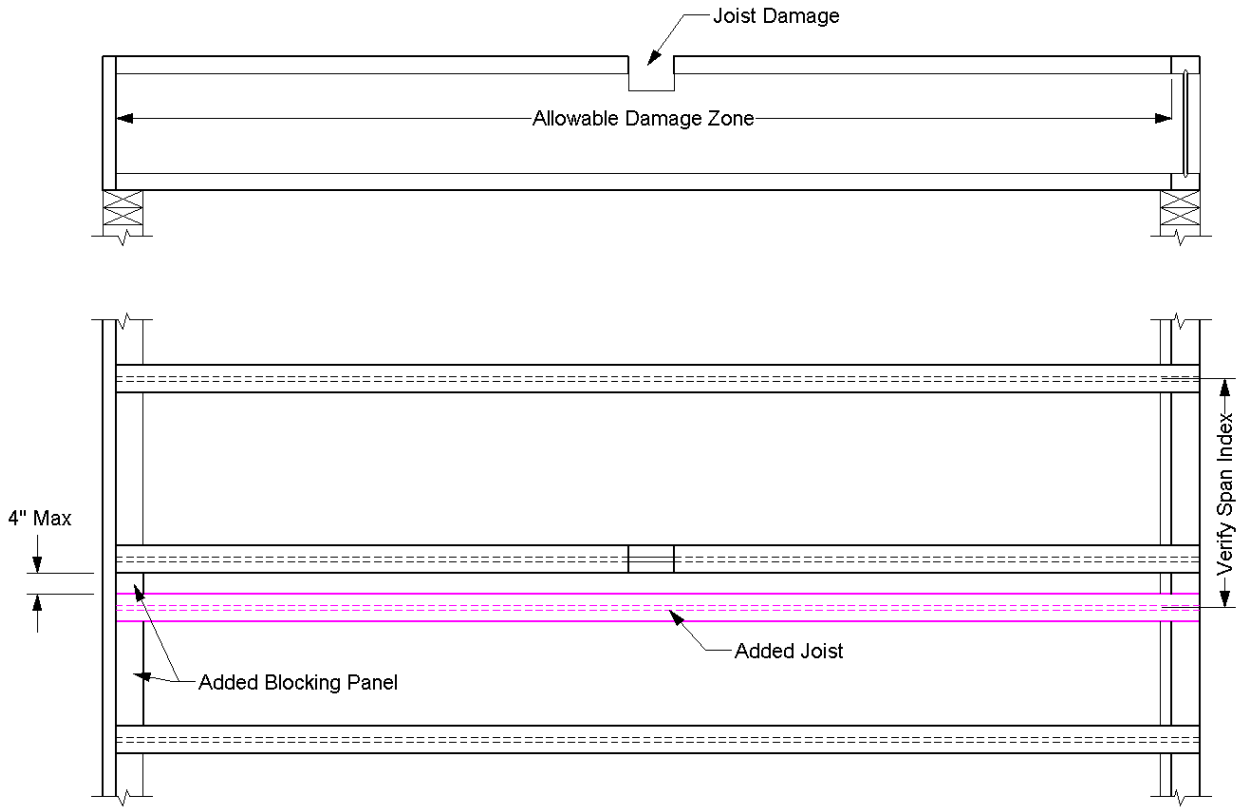
PK-USA PKI Series I-joists
Damaged Joist Repair – Added Joist

Damaged joist repair with added joist

When damage to a PKI Series I-joist is beyond repair and the removal of the damaged joist is impractical, adding an additional PKI Series I-joist next to the damaged joist may be the best option. The following detail restores the floor performance provided that the damaged joist was uniformly loaded, and the span index of the sub-floor sheathing is not exceeded.



Installation Notes

1. Use same joist depth and series as damaged joist.
2. Install joist adjacent to damaged joist.
3. Ensure added joist has sufficient bearing (1-1/2” minimum)
4. Glue exposed edges of top flange to subfloor on both sides.
5. Connect rim board to joist per fastener schedule if mating surfaces are in contact.
6. Add blocking at rim conditions if there is a gap between rim and joist end.
7. Remove and reinstall blocking at blocked conditions.
8. Connect subfloor to added joist per floor diaphragm fastening schedule.

If you have any questions, please contact PK-USA for details.

14523 S. Palo Alto Drive, Herriman, Utah 84096
Ph: 702.400.2195 info@PK-USA.com www.PK-USA.com

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