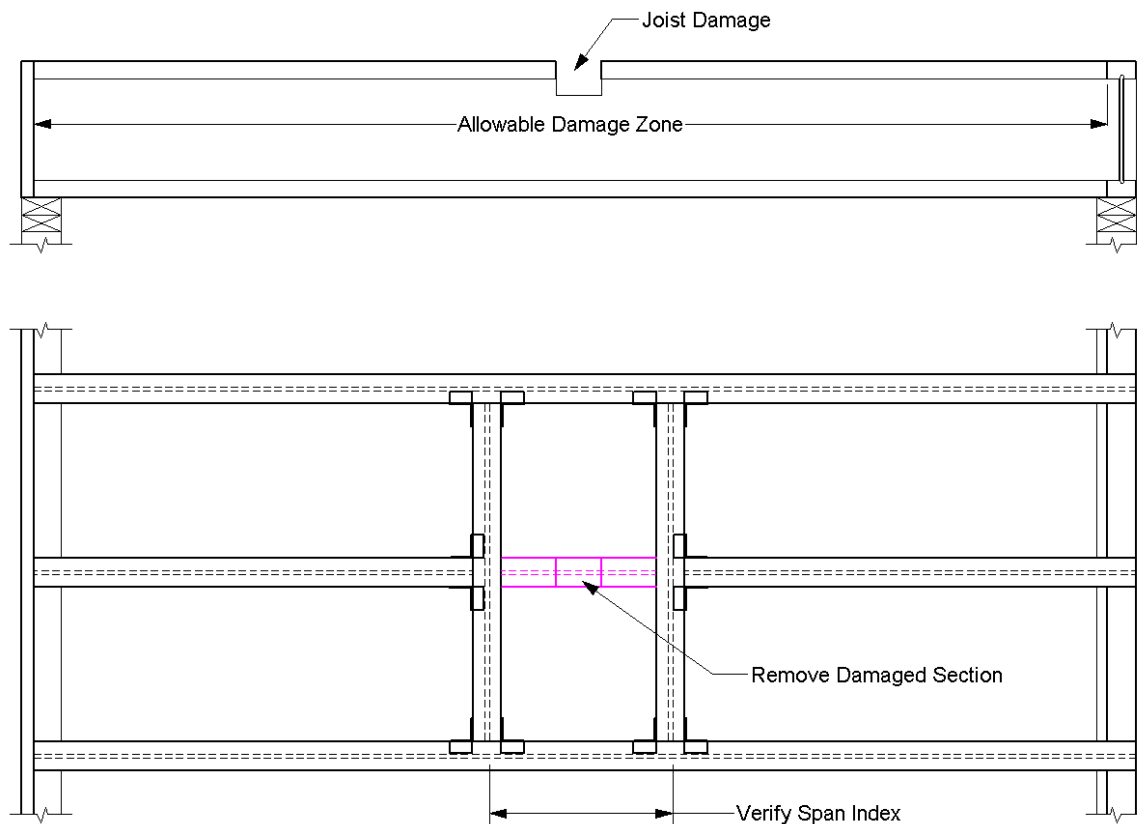


PK-USA PKI Series I-joists

Damaged Joist Repair – Head-out Detail

Damaged joist repair with head-out

When damage to a PKI Series I-joist is beyond repair and the removal of the entire damaged joist is impractical, heading out the damaged section by adding additional PKI Series I-joists with joist hangers may be the best option. The following detail restores the floor performance provided that the damaged joist was uniformly loaded, the adjacent joists carrying the head-out loads are designed to accommodate the additional point loads, and the span index of the sub-floor sheathing is not exceeded.



Installation Notes

1. Support the floor loading above the damaged joist prior to the section removal.
2. Verify sub-floor span index to insure head-out dimensions support sheathing capacity.
3. Remove damaged joist section.
4. Install head-out joists perpendicular to floor joist span direction.
5. Ensure appropriate face mount or top flange hangers are used with specified fasteners.
6. Use backer blockers as specified in detail 1h in Pinkwood's PKI Series I-joist installation guide.
7. Glue exposed edges of added joists and secure sub-floor to joists per floor diaphragm fastening schedule.

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

