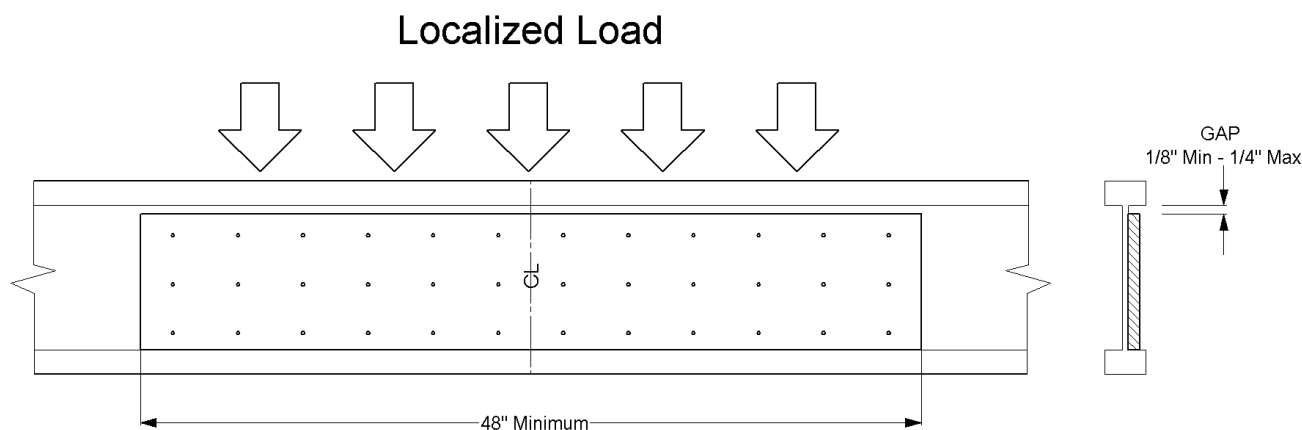


PK-USA PKI Series I-joists and WEBSHIELD SafeJoist® (FRI-Assemblies) Standard Joist Stiffening

Joist stiffening option

PKI Series I-joist with WEBSHIELD protected FRI Assemblies are designed to handle residential loads subject to area load increases for items such as kitchen islands, stone flooring, upgraded finishes, etc. When such increased loads are applicable, the joist design should be analyzed using PK-USA's provided software and additional I-joists should be installed to handle the anticipated loads. In the event that the floor system was designed with traditional dead loads only, and the ability to add additional joists is impractical, the following detail may be used to decrease the effects of unwanted vibration and localized deflection.



Installation Notes

1. Use minimum 23/32" rated panel on side of joist.
2. Apply construction adhesive to entire contact surface of reinforcements.
3. Install reinforcement tight to the topside of the bottom flange centered over the load area.
4. Attach with min 8d common, 3 rows, clinched @ 4" o.c.
5. Reinforcement may be applied over WEBSHIELD fire protective panels.
6. If double joists are used, apply to each outside face of the joist.
7. If applied over WEBSHIELD panels, the reinforcement GAP may be reduced to zero.

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

