

This Tech Note must be used in conjunction with the appropriate PWT Technical Guide.

A qualified design professional must verify that the existing (undamaged) I-Joists are capable of supporting the additional weight applied to them before using this procedure.

1. Verify that the Existing (undamaged) I-Joists are capable of supporting the additional weight applied to them before using this procedure.
2. Verify that the header material is capable of supporting and transferring the loads applied to it.
3. Verify that the floor sheathing, decking, is capable of supporting the applied loads for the spans. Based on the Thickness / Span-Rating and direction of the decking decide if additional blocking/nailers are required.
4. When holes must be cut in the header material PWT LVL recommended for use as the header.
5. Provide temporary bracing for all joists during the repair process.
6. Specify hangers capable of supporting/transferring all loads. Hanger must restrain the joist to ensure lateral stability.
7. Glue all connections.

Web Filler/Backer Block:

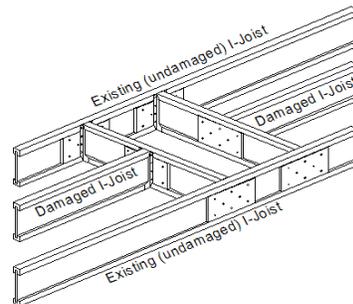
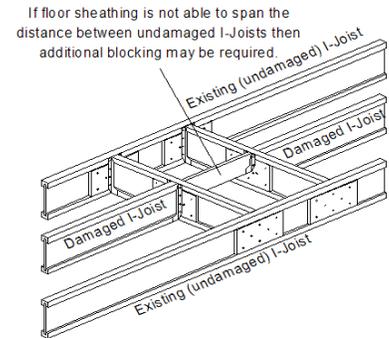
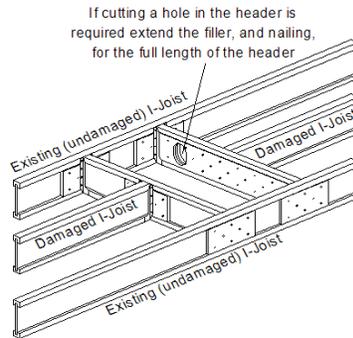
- Backer /Filler blocks must be at least 12" long and located behind every supported hanger.
- Backer blocks and filler blocks shall consist of APA Rated wood structural panel (OSB or plywood), 2 x lumber (SPF or better), or PWT LVL or OSB Rim Board, with a net thickness equivalent to that shown in the I-Joist Filler Thickness table below.
- For a single I-joist header, install backer blocks to both sides of the web. Two pieces of 2 x 8 (min.) lumber, cut to the proper height (see notes 2 & 3), may be set vertically side-by-side to achieve the required minimum 12" length.
- Attach backer blocks with 8d nails (use 10d nails for flanges wider than 2-1/2"). Use a minimum of 10 nails spaced to avoid splitting, with half the nails to each side of the center of the supported hanger, clinch nails where possible.
- Backer blocks and filler blocks shall fit the clear distance between flanges with a gap of at least 1/8," but not more than 1," and shall be of sufficient depth to allow for all hanger nailing into the web. Do not force into place.
- Install backer blocks tight to top flange for top-loaded joists and for joists supporting top-mount hangers (shown). Install tight to bottom flange for joists supporting face-mount hangers.

Note: Backer blocks may be omitted for top-mount hangers supporting only downward loads not exceeding 250 lbs.

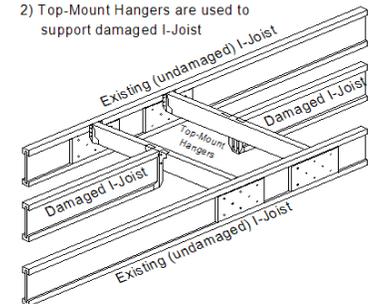
For additional information, contact your PWT dealer or distributor.

Backer/Filler Block Sizes

Series	Depth	Thickness	Depth
PWI 18S or LPI 18	9-1/2" 11-7/8" 14"	1" 1" 1"	6-3/8" 8-3/4" 10-7/8"
PWI 20S or LPI 20Plus	9-1/2" 11-7/8" 14" 16"	1" 1" 1" 1"	6-3/8" 8-3/4" 10-7/8" 12-7/8"
PWI 53L or LPI 530	9-1/2" 11-7/8" 14" 16"	1-1/2" 1-1/2" 1-1/2" 1-1/2"	6-3/8" 8-3/4" 10-7/8" 12-7/8"
PWI 32S or LPI 32Plus	9-1/2" 11-7/8" 14" 16"	1" 1" 1" 1"	6-3/8" 8-3/4" 10-7/8" 12-7/8"
PWI 36L or LPI 36	11-7/8" 14" 16"	7/8" 7/8" 7/8"	8-3/4" 10-7/8" 12-7/8"
PWI 42S or LPI 42Plus	9-1/2" 11-7/8" 14" 16"	1-1/2" 1-1/2" 1-1/2" 1-1/2"	6-3/8" 8-3/4" 10-7/8" 12-7/8"
PWI 52S or LPI 52Plus	11-7/8" 14" 16"	1-1/2" 1-1/2" 1-1/2"	8-3/4" 10-7/8" 12-7/8"
PWI 56 or LPI 56	11-7/8" 14" 16"	1-1/2" 1-1/2" 1-1/2"	8-3/4" 10-7/8" 12-7/8"



- SCL Headers may be used provided:
- 1) Design of header is verified
 - 2) Top-Mount Hangers are used to support damaged I-joist



Our literature is updated frequently, so please visit www.pwtewp.com for the most current version of our specifications.

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Cal. Prop 65 Warning:

WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

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