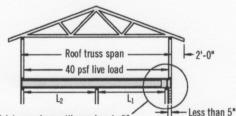
## **CANTILEVERS**

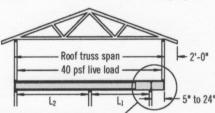
## Cantilevers Less than 5" (Brick Ledge) See Section A of cantilever table on page 11



TJI® joists may be cantilevered up to 5" when supporting roof load, assuming:

- simple or continuous span
- L1 ≤ L2
- minimum backspan = 2x cantilever length

Cantilevers 5" to 24" See Section B of cantilever table on page 11



TJI® joists may be cantilevered 5" to 24" when supporting roof load, assuming:

- simple or continuous span
- L1 ≤ L2
- minimum backspan = 2x cantilever length

TJI® ioists are intended At PB1, cantilever back span must be for dry-use applications permanently braced with either direct-applied ceiling along entire length or permanent bracing at ½ points. See detail PB1 for connections. Web stiffeners required both sides at E1W 8" diameter maximum hole for 11%"-16" deep blocking ONLY panels: 6" diameter maximum for blocking panels 9½" 12" length of 34" reinforcement deep or shorter than 12" long. **Do not cut flanges.** on one side at E5/E7, both sides at E6/E8. Attach to joist with one 11/8" TJ® Rim Board or 11/4" TimberStrand® LSL, typical 8d (0.131" x 21/2") nail at each corner. 4'-0" length of 3/4" reinforcement on one side at 11/8" TJ® Rim Board or 11/4" E2, both sides at E3. Attach to joist flange with TimberStrand® LSL, typical. Nail with 10d (0.131" x 3") 8d (0.131" x 21/2") nails at 6" on-center. When reinforcing both sides, stagger nails. nails, one each at top and bottom flange. Nail through 2x\_cantileve Cantilever length wood backer, and TJI® joist web with two rows 4'-0" maximum uniform loads only) 10d (0.148" x 3") nails at 6" on-center, clinched. Use 16d (0.135" x 3½") nails with TJI® 560 joists. 11/2 times cantilever length F1 applies to uniformly loaded joists only. Apply subfloor Blocking panel between adhesive to all 6'-0" length of TJI® joist Two 21/2" screws for 2x each joist. Full depth contact surfaces vertical blocking at Wood reinforcement and filler block strapping connections at E4. Attach to joist web with backer E5 and E6, horizontal blocking at E7/E8/E9. three rows 10d (0.148" x 3") nails at 6" on-center, clinched. Use 4'-0" length with 9½" and 11½" TJI® joists, and attach Nail rim to blocking panel and Less blocking panel to plate with than 5" connections equivalent to floor to joist web with two rows 10d (0.148" x 3") nails at 6" panel schedule (E7/E8/E9). Two 8d (0.113" x 2½") on-center, clinched. Not for nails or 21/2" screws. use with TJI® 560 joists. typical

These Conditions are **NOT** Permitted:



DO NOT use sawn lumber for rim board or blocking as it may shrink after installation. Use only engineered lumber



DO NOT bevel cut joist beyond inside face of wall.



Directly applied ceiling

bracing options is required

DO NOT install hanger overhanging face of plate or beam. Flush bearing plate with inside face of wall or beam.

When specified on the layout, one of the above