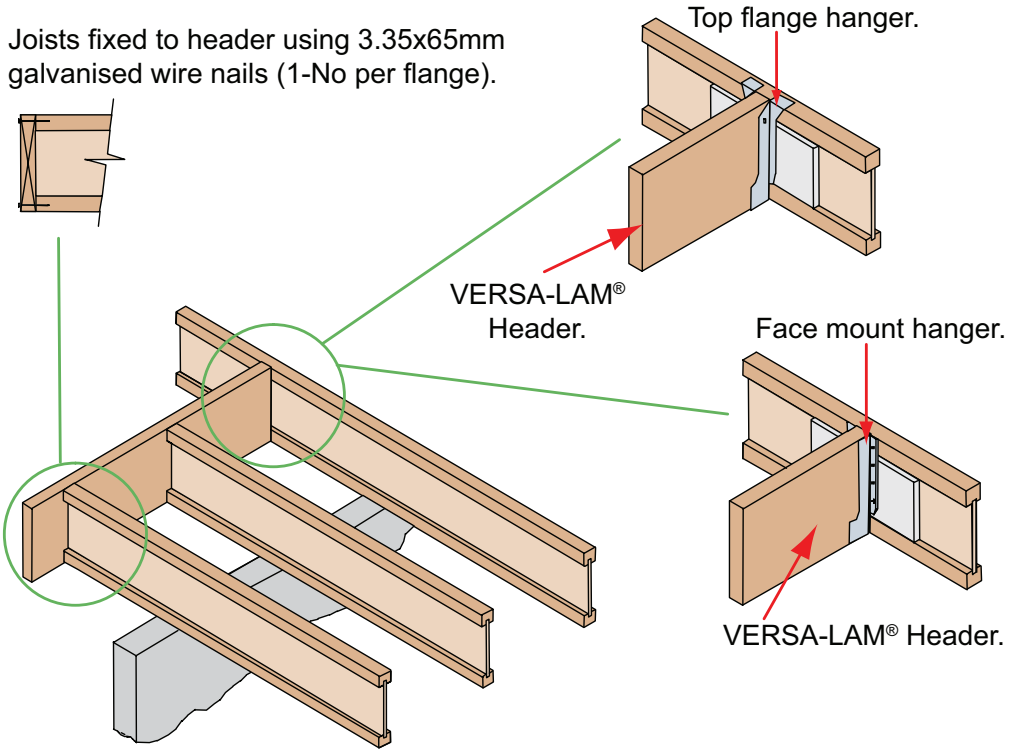
BCI® Joists — Floor Applications



Detail A (Back span/cantilever ratio 3-5).

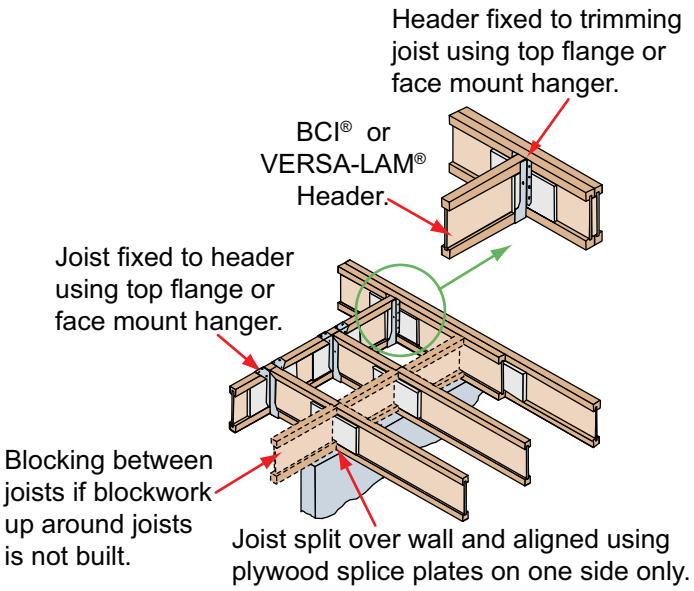
Load Bearing External Cantilever Details

BCI® Joists which support loads at the ends of cantilevers may require reinforcement, depending upon the magnitude of the cantilever and the loading imposed. Three reinforcement conditions exist:

1. **No reinforcement required – see non load-bearing cantilever detail F14.**
2. **18mm x 1220m structural panel reinforcement nailed one side of joist.**
3. **18mm x 1220mm structural panel reinforcement nailed both sides of joist.**

Panel reinforcement should be 18mm WBP plywood or OSB to match the full depth of the BCI® Joist. Nail to the BCI® Joist with 3.35x65mm nails at 150mm centres and nail with 4-No 3.35x65mm nails into backer block. When reinforcing both sides, stagger nails to avoid splitting.

To establish which reinforcement detail applies to any particular cantilever arrangement, contact Boise Engineered Wood Products Engineering.



Detail B (Back span/cantilever ratios up to 3-1 and over 5-1).