1r LUMBER CANTILEVER DETAIL FOR BALCONIES

Full depth backer block with ⅛" gap between block and top flange of I-joist. Nail with 2 rows of 10d nails @ 6" o.c. and clinch.

2x8 min. Nail to backer block and joist with 2 rows of 10d nails @ 6" o.c. and clinch. (Cantilever nails may be used to attach backer block if length of nail is sufficient to allow clinching.)

Cantilever extension supporting uniform floor loads only (60 psf LL plus 10 psf DL max.)
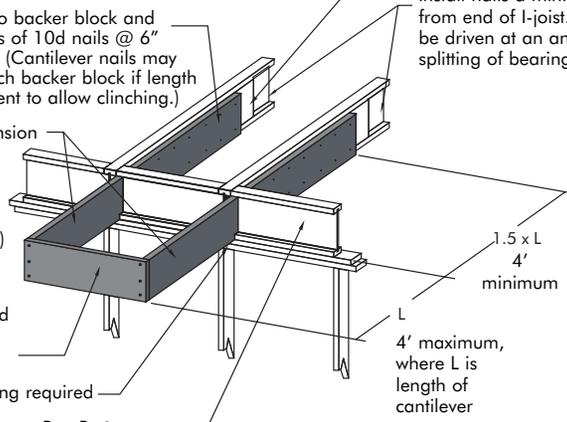
Lumber or wood structural panel closure

3½" min. bearing required

Attach RFPI®-Joist or RigidRim® Rimboard to top plate with 8d nails @ 6" o.c. (when used for lateral shear transfer, nail to bearing plate with same nailing as required for decking)

Attach RFPI-Joist to top plate with **one 8d nail each side** of the flange at bearing.
To avoid splitting flange, install nails a minimum of 1½" from end of I-joist. Nails may be driven at an angle to avoid splitting of bearing plate.

1.5 x L
4'
minimum

L

4' maximum, where L is length of cantilever