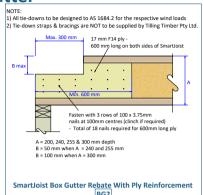


Last update: 20th Sept 2022



**SmartJoist Rafter Box-Gutter** 

BG1



#### SmartJoist. SmartLVL & SmartLam GLT Rafter Cut

NOTE:

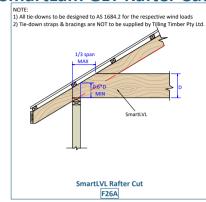
1) All tie-downs to be designed to AS 1684.2 for the respective wind loads
2) Tie-down straps & bracings are NOT to be supplied by Tilling Timber Pty Ltd.

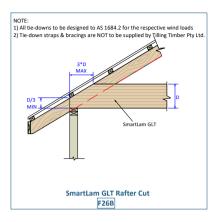
Top flange must be braced either by sheeting or 100 x 50 for lateral stability.

11 MIN

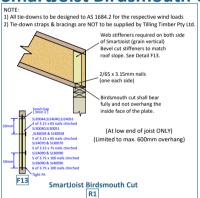
11 mm F11 Ply or SmartRim. Install reinforcement to both sides of joist using adhesive meeting AS/NEZ 3864:1996 and nail using 14/75 x 3.75mm evenly spaced as shown. Alternate nailing from each side and clinch.

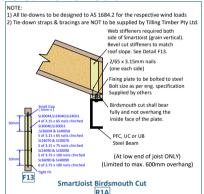
SmartJoist Rafter Cut

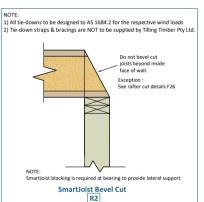




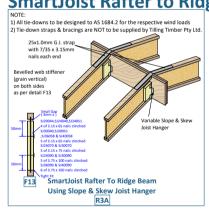
## **SmartJoist Birdsmouth Cut & Bevel Cut**

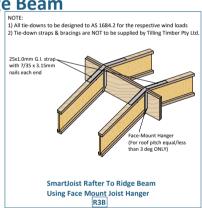




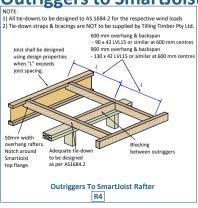


# **SmartJoist Rafter to Ridge Beam**

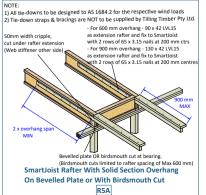


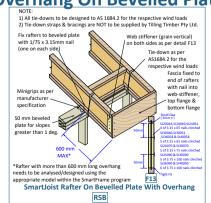


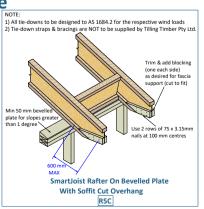
# **Outriggers to SmartJoist Rafter**



**SmartJoist Rafter With Overhang On Bevelled Plate** 



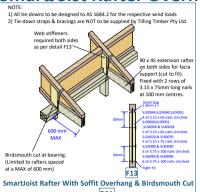


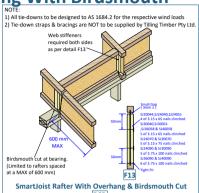


Last update: 20th Sept 2022

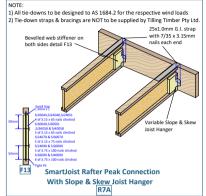


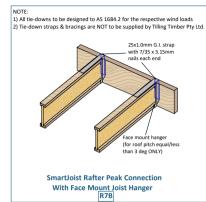
**SmartJoist Rafter Overhang With Birdsmouth** 

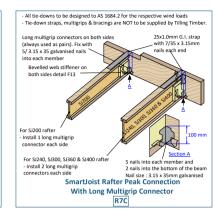


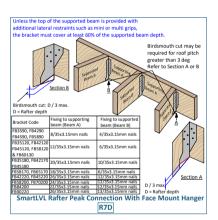


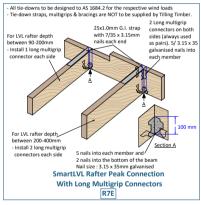
## **Peak Connection**



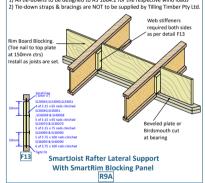




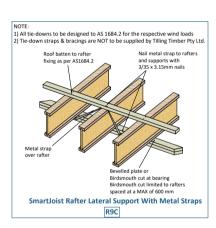




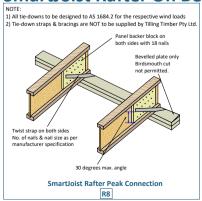


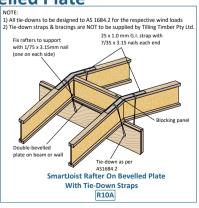


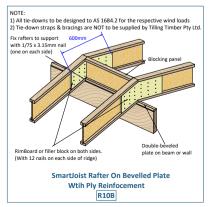
# NOTE: 1) All tie-downs to be designed to AS 1684.2 for the respective wind loads 2) Tie-down straps & bracings are NOT to be supplied by Tilling Timber Pty Ltd. Fix roof batten to rafter with 2/35 x 3.15 nails Fix roof batten to blocking with 4/35 x 3.15 nails Fix roof batten to blocking with 4/35 x 3.15 nails Fix cut-to-length blocking to support with 4/55 x 3.15mm nail per each blocking Birdsmouth cut lamited to rafters spaced at a MAX of 600 mm SmartLoist Rafter Lateral Support With SmartLoist Blocking Panel

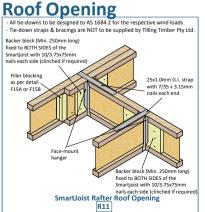


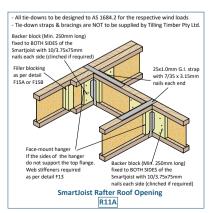
#### **SmartJoist Rafter On Bevelled Plate**







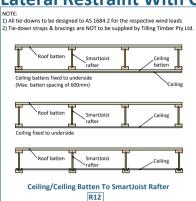


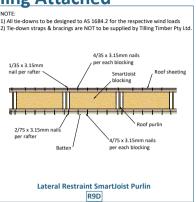


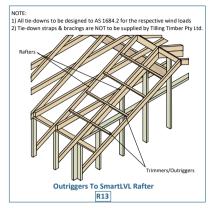
Last update: 20th Sept 2022



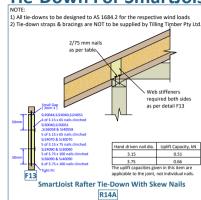
**Lateral Restraint With Ceiling Attached** 

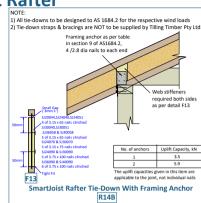




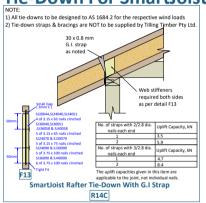


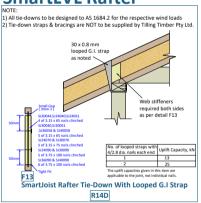
## **Tie-Down For SmartJoist Rafter**

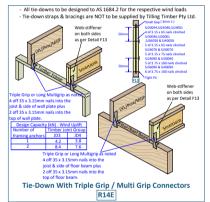




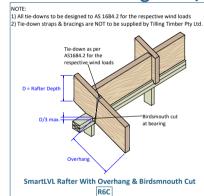
#### Tie-Down For SmartJoist/SmartLVL Rafter

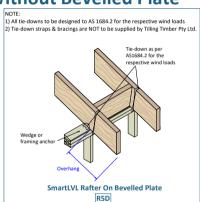






# **Rafter Overhang With/Without Bevelled Plate**





#### **Roof Beam Lateral Restraint**

