



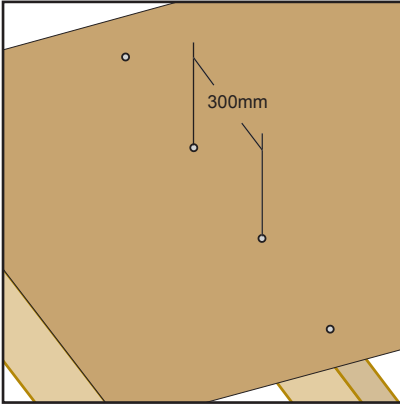
# Multinail Timber Roof Truss Installation Specification

using Plywood Sheathing, Counter Battens  
& Tile Battens

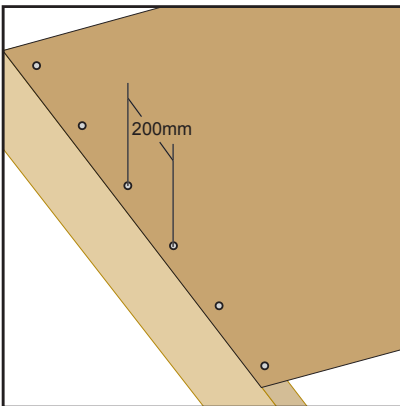
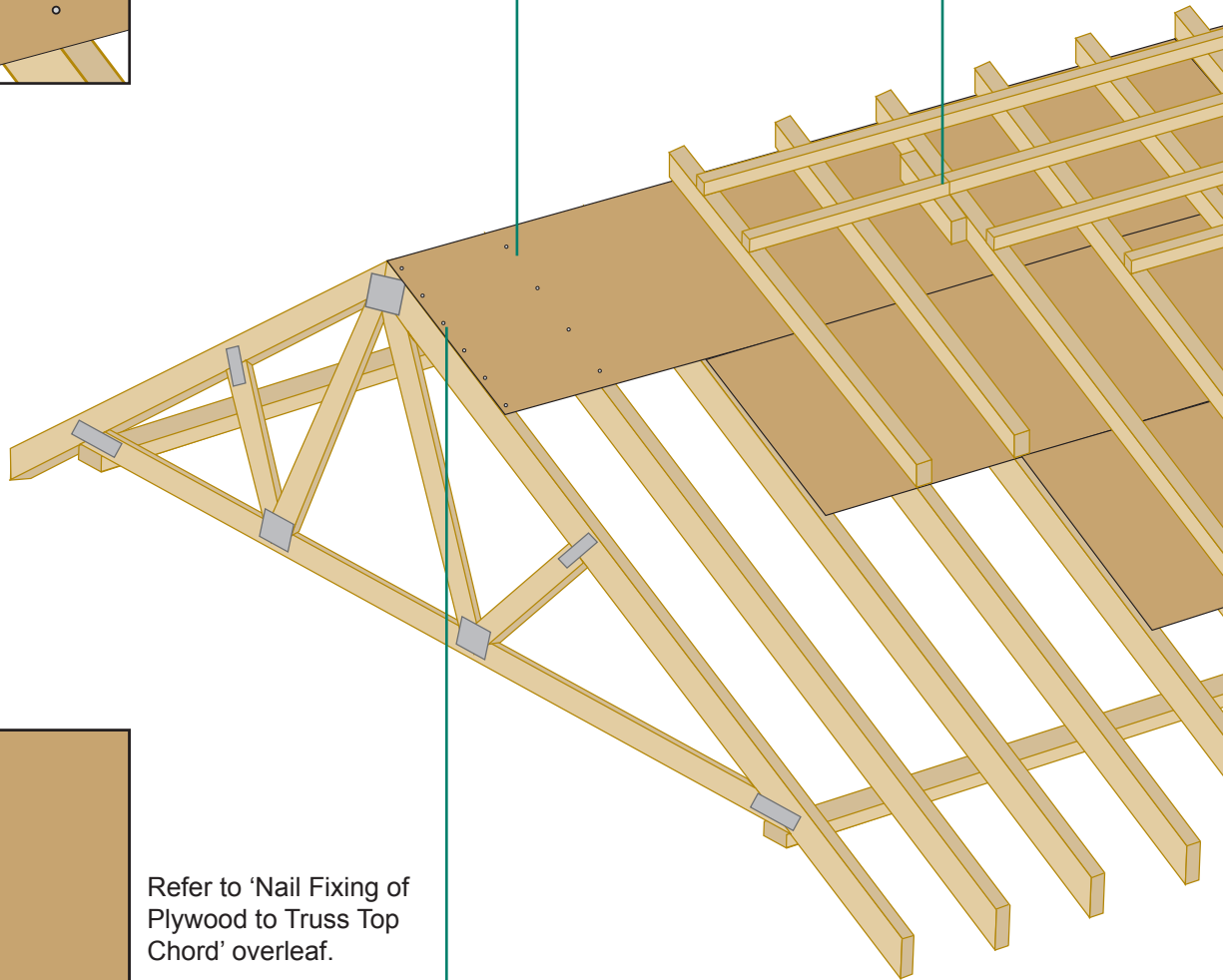


### PLYWOOD TO TRUSS

Fastener spacings at 300mm along  
**Intermediate Trusses** using 50 x 2.8mm Flat Head Nails.



Refer to 'Nail Fixing of  
Plywood to Truss Top Chord'  
overleaf.



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Plywood to Truss Top  
Chord' overleaf.

### PLYWOOD TO TRUSS

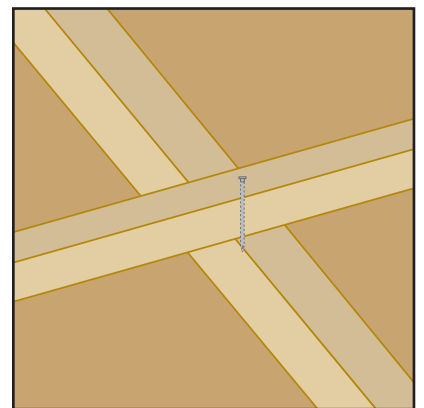
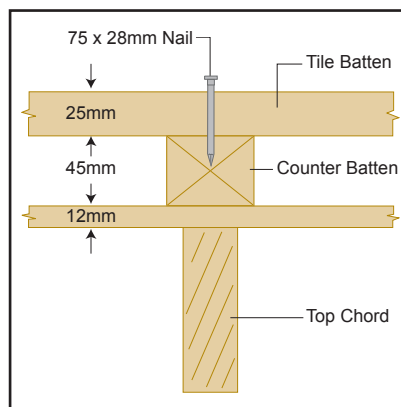
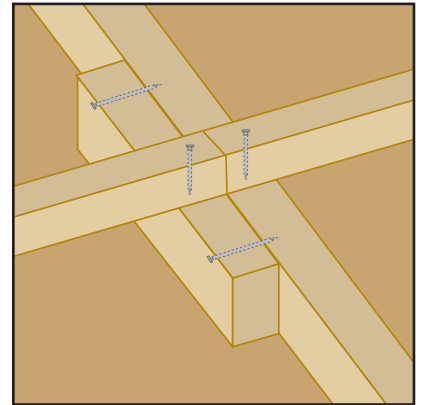
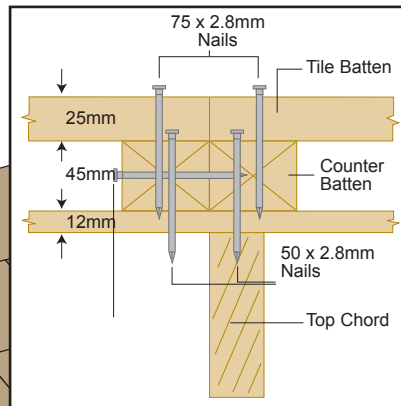
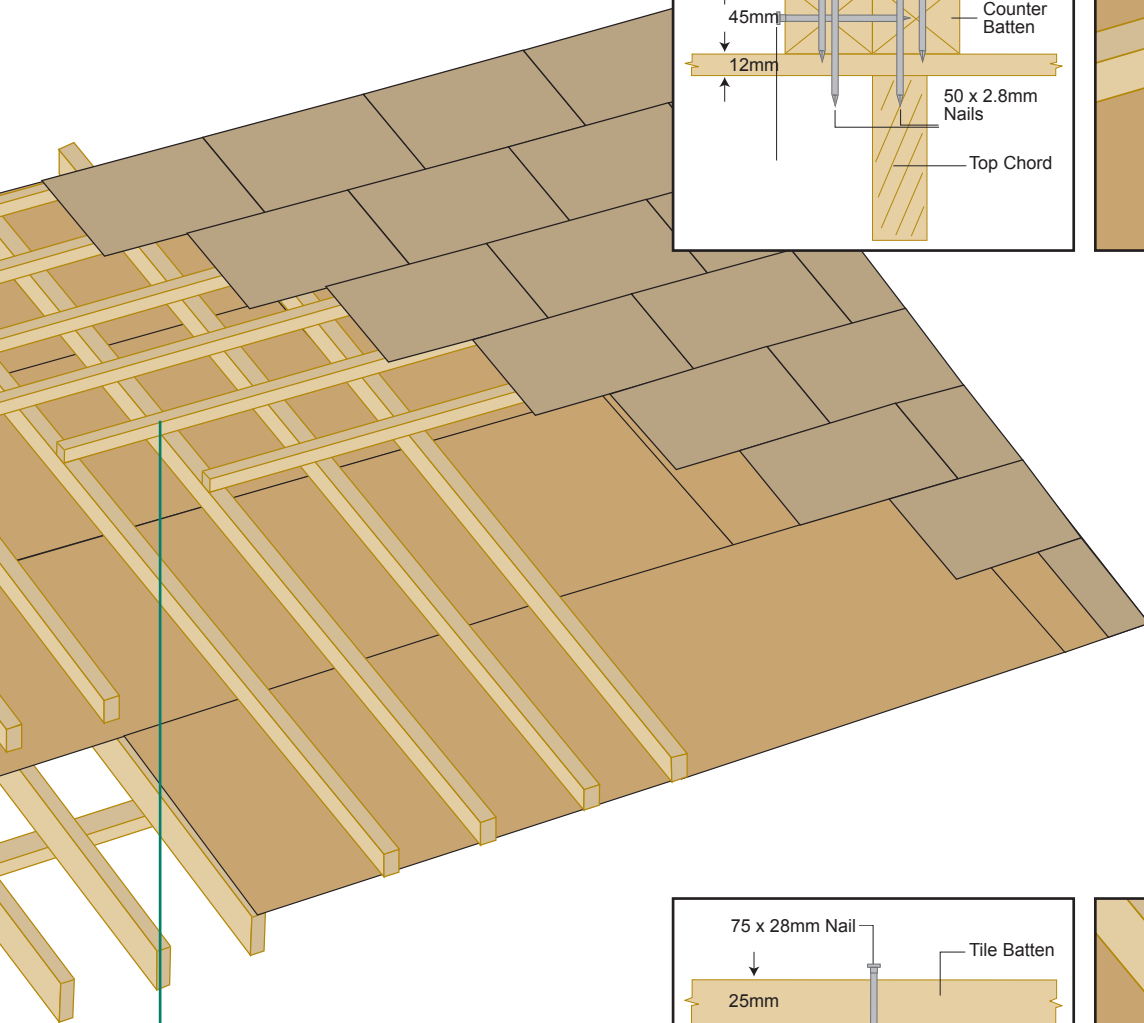
Fastener spacings at 200mm along  
**Plywood Panel Ends** using 50 x 2.8mm Flat Head Nails.

# INSTALLATION SPECIFICATION

using Plywood Sheathing,  
Counter Battens & Tile Battens

## TILE BATTEN TO COUNTER BATTEN WITH TILE BATTEN SPLICE

75 x 2.8mm nails into counter battens.



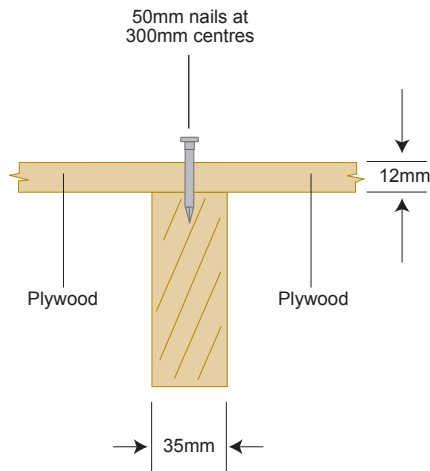
## TILE BATTENS TO COUNTER BATTEN AT INTERMEDIATE TRUSS

75 x 2.8mm nails at each batten.

### NAIL FIXING OF PLYWOOD TO TRUSS TOP CHORD

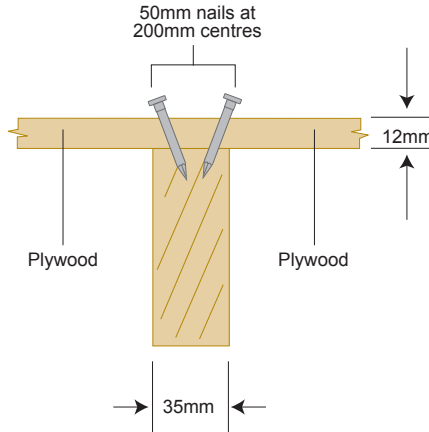
#### INTERMEDIATE PANEL

Plywood to be fixed to truss top chord using one (1) 50 x 2.8mm flat head nails at 300mm centres.



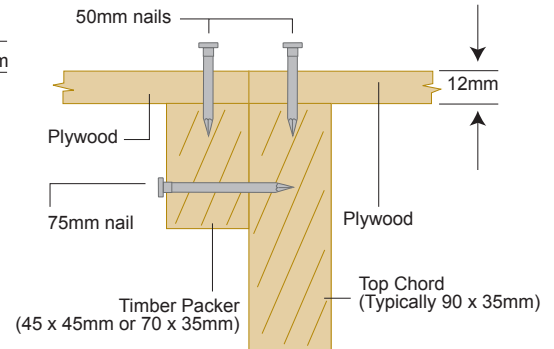
#### BUTT JOINING OF PLYWOOD PANELS TO TRUSS TOP CHORD

Plywood to be fixed to truss top chord using two (2) 50 x 2.8mm flat head nails skewed into top chord at 200mm centres.



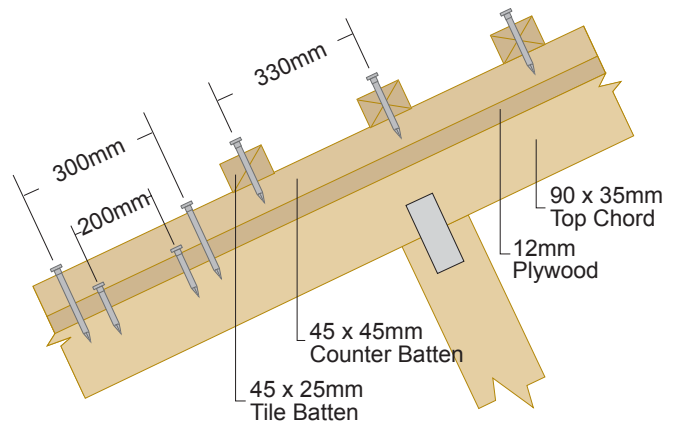
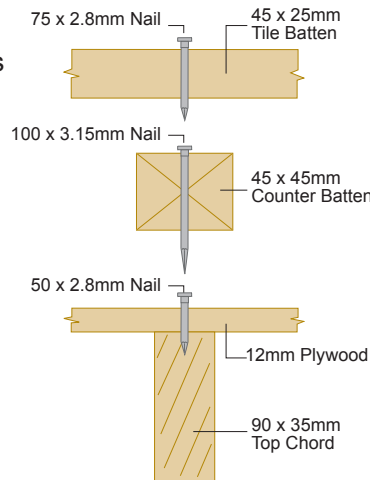
If effective nailing cannot be achieved with skew nailing then the following detail must be used.

Fix 45 x 45 - F5 or larger to side of top chord and nail both ends of the additional member with 75 x 2.8mm nails at 200mm centres. Then fix plywood with 50 x 2.8mm nails as shown.



### CROSS SECTION OF TIMBER ROOFING MEMBERS

- Plywood to be fixed to truss top chord using 50mm flat head nails at 200mm centres at plywood panel ends and 300mm centres at intermediate trusses.
- Counter batten to be fixed to plywood and truss top chord using 100 x 3.1mm nails at 300mm centres.
- Tile batten to be fixed to counter batten using 75 x 2.8mm nails at each point that it crosses the counter batten.



### PROCEDURE FOR ROOF ERECTION AND FIXING

- Step 1: Erect trusses as per AS4440.
- Step 2: Brace trusses as per Multinail Timberbrace detail and AS4440.
- Step 3: Fix truss to top plate with Multinail Triple Grip, Multi Grip or Cyclone Tie, according to design requirements as specified.
- Step 4: Fix 12mm plywood to truss top chord with 50 x 2.8mm nails at 200mm centres at plywood panel ends and 300mm centres at intermediate trusses.
- Step 5: Fix counter batten to plywood and truss top chord with 100 x 3.15mm nails at 300mm centres.
- Step 6: Fix tile batten to counter batten with 75 x 2.8mm nails at each point that battens meet counter batten.
- Step 7: Splice joint for tile battens. An additional piece of counter batten, 200mm long, needs to be fixed to plywood with two (2) 75 x 2.8mm nails to the plywood and two (2) 75 x 2.8mm nails fixed horizontally into the counter batten.

