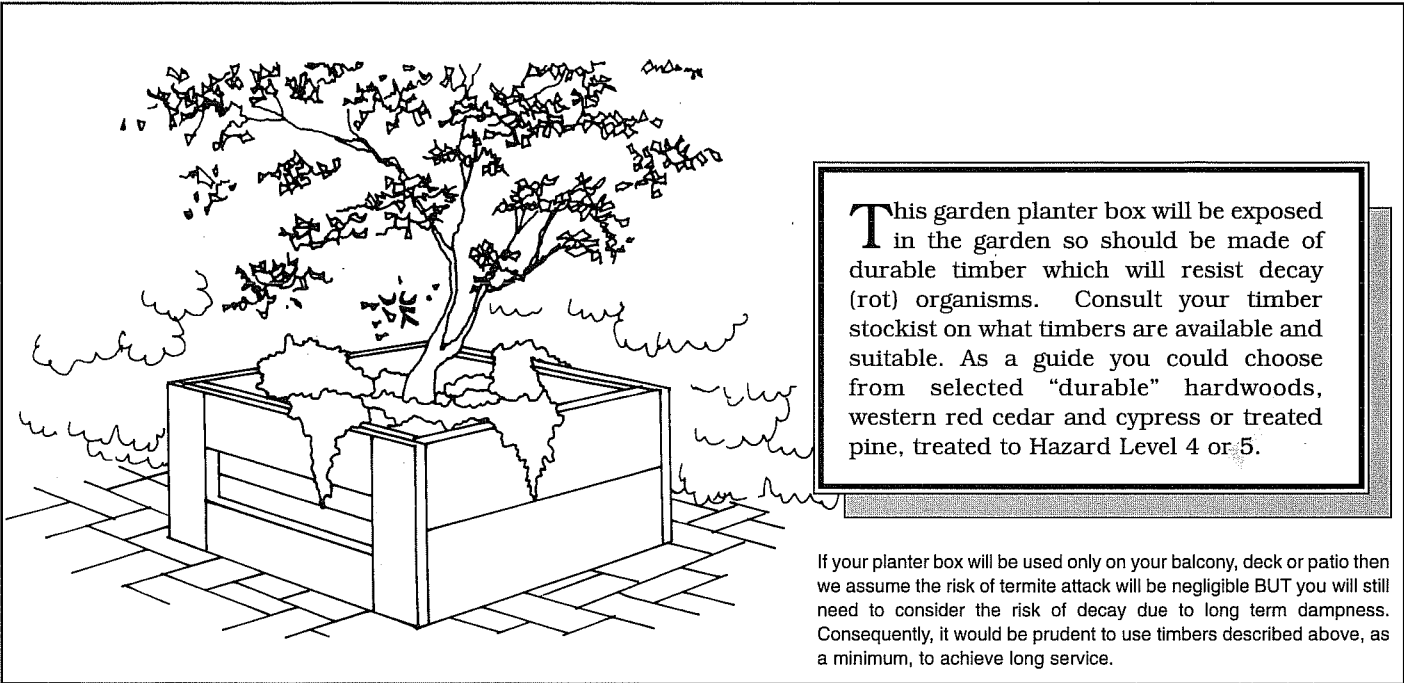


Planter Box



Timber and Building Materials Association (NSW) Limited



This garden planter box will be exposed in the garden so should be made of durable timber which will resist decay (rot) organisms. Consult your timber stockist on what timbers are available and suitable. As a guide you could choose from selected "durable" hardwoods, western red cedar and cypress or treated pine, treated to Hazard Level 4 or 5.

If your planter box will be used only on your balcony, deck or patio then we assume the risk of termite attack will be negligible BUT you will still need to consider the risk of decay due to long term dampness. Consequently, it would be prudent to use timbers described above, as a minimum, to achieve long service.

Tools you will need

- Saw
- Carpenter's square
- Rule or tape, pencil
- Hammer
- Drill and Bits
- Electric Sander (optional)

Materials you will need

TIMBER

- All timber sawn, only durable timbers to be used.
- 150 x 25mm* 2 pieces, 2.4m (sides)
 - 75 x 25mm 3.9m (floor)
 - 75 x 25mm 3.3m, (ends)
 - 50 x 50mm, 2.1m (base)

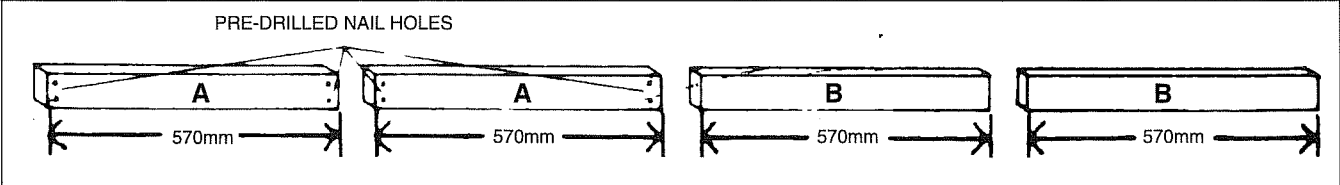
HARDWARE

- All nails to be hot-dipped galvanised nails or non-corroding types:
- 50/40 x 2.5mm bullet head
 - 50/50 x 2.8mm bullet head
 - 25/75 x 3.75mm bullet head

*Note: Minimum working board thickness recommended is 19mm. This would be obtained from standard 'sawn' 25mm thick board where a rougher surface is acceptable, or, if desired from 25mm DAR board, i.e. boards 25mm thick before 'dressing-all-round' (DAR) which gives a smooth surface and a finished thickness of 19mm.

▼ STEP BY STEP ▼

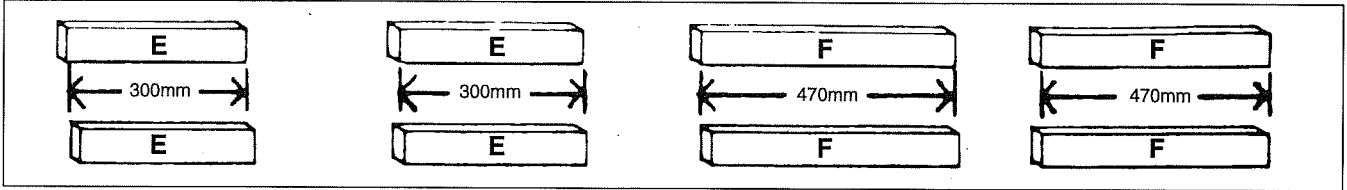
1 Cut two pieces 'A', two pieces 'B' from 150 x 25mm sawn/DAR timber



2 Pre-drill holes in 'A'(diameter of hole approximately 80% of nail diameter) as shown in Step 1. Locate holes 10-12mm from ends.

3 **Assemble boxes:** Assemble then nail together the four pieces to make two rectangular open ended boxes. Avoid risk of splitting parts 'B' by pre-drilling and locating nail holes using holes in 'A' as guides (see exploded diagram). Use 50 x 2.8mm nails.

4 **Stack** the two boxes and measure the overall height then cut four pieces 'E' (the verticals) from 75 x 25mm sawn/DAR equal to this height (approximately 300mm).

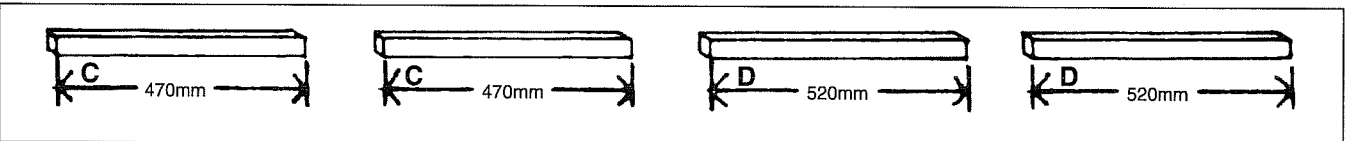
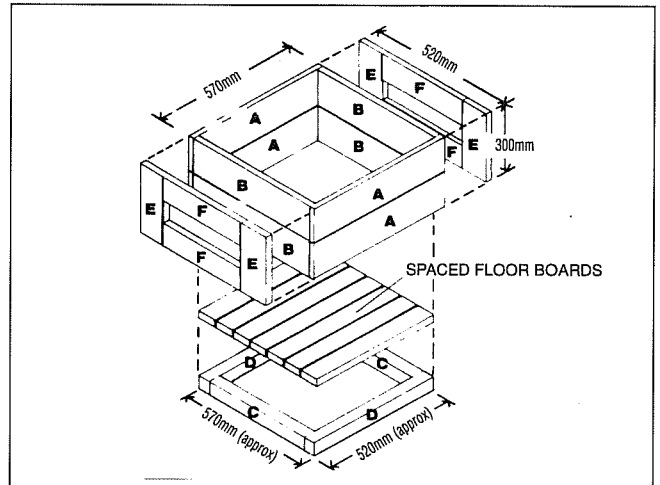


5 **Nail** the vertical pieces 'E' to each stacked pair of boxes as shown in exploded diagram. Nail from inside, stagger the nailing, use 38mm x 2.5mm nails.

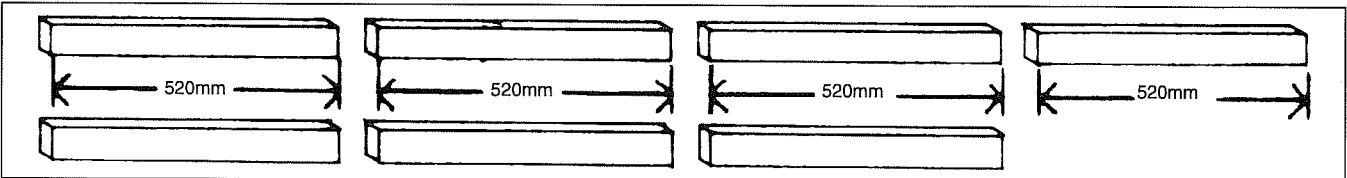
6 **Measure** up then cut four horizontal end frame boards 'F' to fit (approximately 470mm long) and again nail in place from inside of boxes using 38 x 2.5mm nails.

7 **Square** up boxes and measure inside dimensions.

8 **Assemble Base Frame:** Cut these four pieces 'C', 'D' from the timber piece 50 x 50mm x 2.1m (note these measurements must be adjusted to give a base which is a close fit inside box). Use one 75 x 3.75mm nail at each corner to make up the base frame as shown.

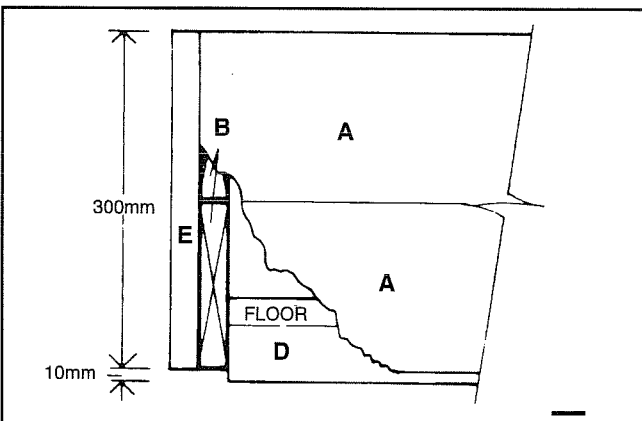


9 **Cut** seven floor boards to fit base frame and interior of box. Cut these seven pieces from 75 x 25mm, each approximately 520mm long but check measurement before cutting.



10 **Nail** floor boards to a squared base frame leaving drainage cracks between boards. Use 50 x 2.8mm nails.

11 **Fix** floor assembly inside box by nailing from inside frame using 75mm nails. Allow frame to project 10mm so as to lift box above ground level - as shown in cross-sectional diagram.



12 **Staining** box. The sawn finish can be left as made and a low priced penetrating stain applied in colour of choice, or the outer surfaces can be roughly sanded, splinter free, using a coarse grit sanding disc in an electric drill/sander unit, and then stained. For the interior, even though durable timbers are used, an inside coating of penetrative water repellent/fungicidal solutions, bitumen, pitch or other resinous water resistant coatings, or water repellent stains or coatings, would be of benefit. Longer life can be expected if an inner galvanised, copper or polyplastic container is used to hold the soil. A wide range of plastic planter pots is available (some with saucers) which are also suitable holders of soil and can be placed inside the timber planter box.

Supplied by