Plans for building the “Aussie INPA” square modular box for Australian Native Bees

Drawn by

ROBIAN EVACUATION PLANS
robian@ncable.net.au

for
Bob the Beeman

Printing Instructions:
Pages 1-9 should be printed on A4 paper and contain all required details
Pages 10-13 are optional and are sized to print on A3 for 1:1 scale Plans
Super of ASB square box ("Aussie INPA")

14mm routered slot cut 8 - 10 mm deep on all sides with entrance cut on every 4th side only and stepped as shown.

Internal View of single side

External View of single side

End views showing entrance and side rebate details

Top View

225mm (square) external measurement

Pre-drilled and countersunk (2mm) screw hole

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Baseboard of ASB square box hive ("Aussie INPA")

13mm diam (drilled deep enough to enter through 37mm top hole)

- 2 mm step (rounded edge step aids water shedding)

225mm (square)

37mm diam (drilled deep enough to align with middle of 13mm side hole)

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Honey Super for ASB square box hive ("Aussie INPA")

**Internal View of single side**
- 10mm
- 225mm (square) external measurement

**External View of single side**
- 189mm

**End View of side**
- 36mm
- 6mm solid timber base board with 10mm gap one end

**Top View**
- 6mm solid timber base board with 10mm gap one end

**Pre-drilled and countersunk (2mm) screw holes**

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Cover of ASB square box hive ("Aussie INPA")

0.6mm Aluminium sheet 100mm x 200 mm folded where shown on dotted lines to make “shroud”

NOTE: the 240mm x 30mm x 36mm cleats are screwed and glued ACROSS the grain of the to straighten bent timber and prevent further cupping. Screws and pre-drilled holes outlines are not shown on side views to aid in clarity

240mm square ceramic tile or a cut down 250mm tile

NOTE: 250mm tile may be used “as is” with a 5mm overhang on each side. Then run a strip of silicone all the way around underneath

THIS PAGE IS NOT TO SCALE

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Upper Separator (fixed)

This scan is actual size so it can be used as a template when making separators.

10mm slots, 3 3/8" hole. Overall size 17cm square (85mm)
Lower Separator (Loose)

This scan is actual size so it can be used as a template when making separators. If sides do not print properly, the width is exactly the size of an A4 page.

Overall size 21cm square, hole 100mm diameter, slots 12mm
Baseboard of ASB square box hive ("Aussie INPA")

- **Side View**
  - 36mm height
- **Top View**
  - 225mm square
- **Front View**
  - 9mm thickness
  - 13mm diam (drilled deep enough to enter through 37mm top hole)
  - 1 - 2 mm step (rounded edge step aids water shedding)
- **Bottom View**
  - 9mm thickness
  - 37mm diam (drilled deep enough to align with middle of 13mm side hole)
  - 60mm step

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Honey Super for ASB square box hive ("Aussie INPA")

**Internal View of single side**

- 40mm
- 40mm

**External View of single side**

- 225mm (square) external measurement
- 189mm

**End view of side**

- 36mm
- 6mm
- 12mm

6mm solid timber base board with 10mm gap one end

Top View

Pre-drilled and countersunk (2mm) screw holes

INPA - Instituto Nacional de Pesquisas da Amazônia

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SCALE 1:1 on A3 Page
Super of ASB square box ("Aussie INPA")

End views showing entrance and side rebate details

Internal View of single side

14mm routered slot cut 8 - 10 mm deep on all sides with entrance cut on every 4th side only and stepped as shown.

External View of single side

15mm routered slot cut (Opening countersunk to 30mm diam)

Top View

225mm (square) external measurement

Pre-drilled and countersunk (2mm) screw holes

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SCALE 1:1 on A3 Page
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