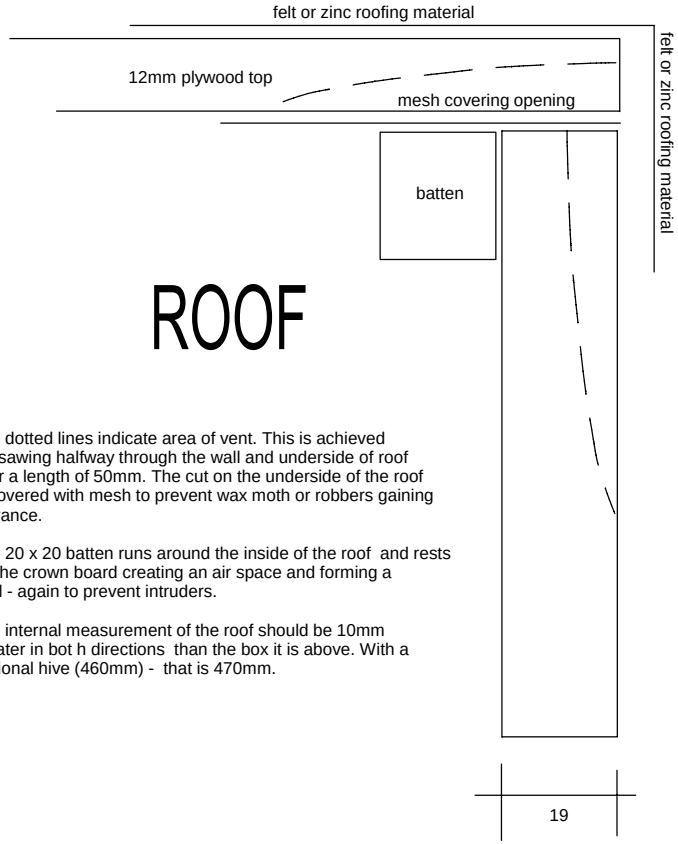
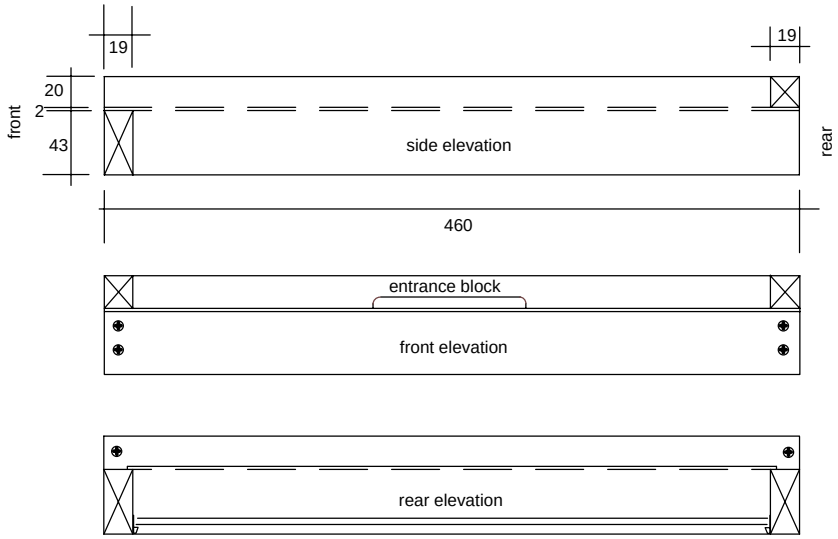


ROOF

The dotted lines indicate area of vent. This is achieved by sawing halfway through the wall and underside of roof over a length of 50mm. The cut on the underside of the roof is covered with mesh to prevent wax moth or robbers gaining entrance.

The 20 x 20 batten runs around the inside of the roof and rests on the crown board creating an air space and forming a seal - again to prevent intruders.

The internal measurement of the roof should be 10mm greater in bot h directions than the box it is above. With a National hive (460mm) - that is 470mm.



The mesh floor is inserted into grooves created by placing a handsaw (rip) upside down in the bench vice, with about 2mm of the blade above bench level. A 'stop' (fence) is fastened to the bench at a distance of 20mm from the edge of the saw blade. The side rails are then carefully 'sawn' over the saw blade, creating a 2mm wide saw cut 20mm from the top of the side rail, for its entire length. The depth of saw cut is adjusted by raising the saw blade in the vice. This could be done over an electrical bench saw blade, except that most of them are 3.0 - 3.5mm wide, which would make the gauze loose in the cut.

The removable floor is suspended on two inverted plastic super or brood frame carriers, which are pinned to the side rails.
The mesh is inserted in the slots and stapled to the top of the front bottom rail and the underside of the rear rail. Be sure that staple and mesh are depressed, especially at the front, so as to avoid sharp edges for both bees and beekeeper.

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date 14th March 2010

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CUSTOMER

TITLE

Open mesh floor
& Roof for national hive

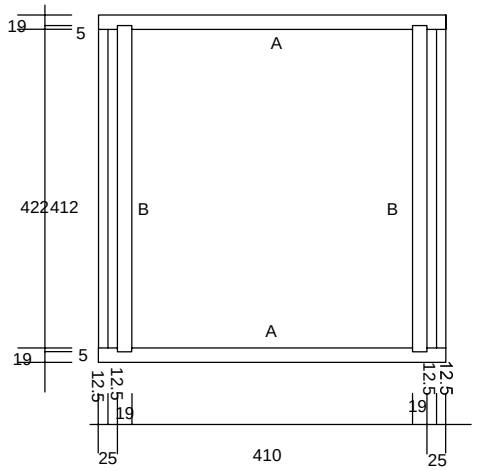
SIZE A4

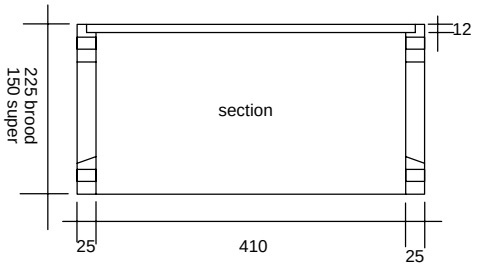
DWG NO 001

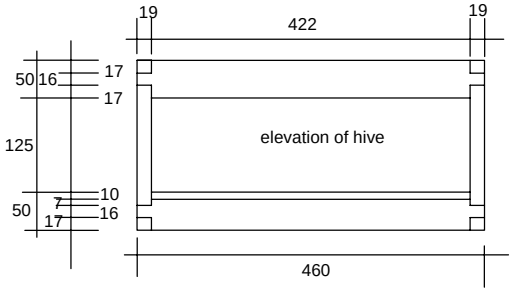
REV

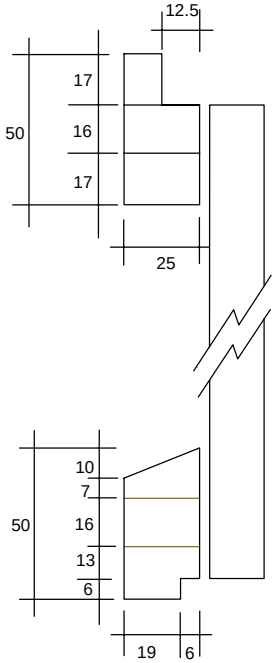
SCALE 1:10

sheet no. 1



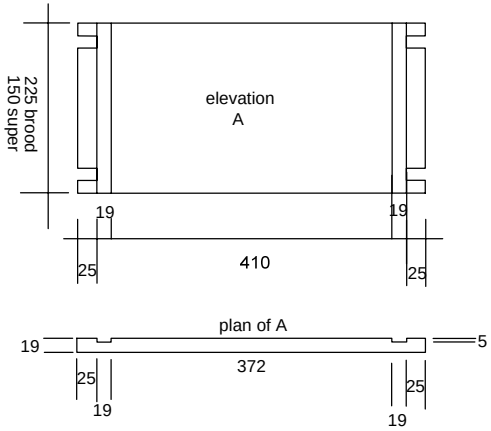


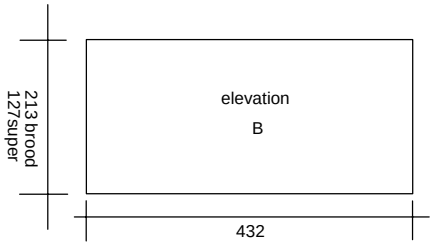




Details of top & bottom rails
at 1:2.5 scale. Tenons on end are
16mm x 25 x 19 deep.

The rebate in the top rail will be 15mm,
if Hoffman frames are used, but 17mm for
plastic spacers.





For a 6 frame nucleus the overall width is 254mm

Materials Needed

2no 460L x 225H (150) x 19 - side A
2no 432L x 213H (127) x 19 - side B
4no 460 x 50H x 25

Height dimensions for Super box
are in brackets.

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date 15th May 2010

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CUSTOMER

TITLE

NationalBeehive
brood/super box

SIZE	DWG NO	REV
A4	001	F

SCALE 1:10 | sheet no. 1