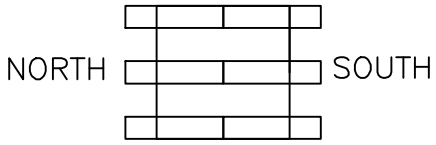
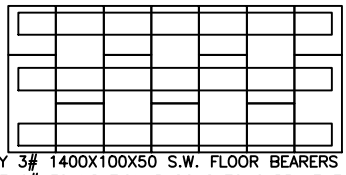
THE ZEST D.I.Y. HIVE USING LANGSTROTH WIDTH FRAMES AND 440x215x100 AERATED CONCRETE BLOCKS

FOUNDATION



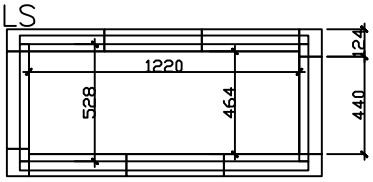
LAY 600x600X38 CONCRETE PAVING SLAB TO RECEIVE 6# 440X215X100 HEAVY CONCRETE BLOCKS

FLOOR



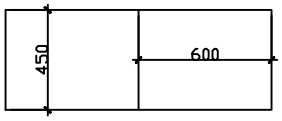
LAY 3# 1400X100X50 S.W. FLOOR BEARERS ON THE 6# FOUNDATION BLOCKS TO CARRY THE 7# FULL AND 7# HALF WHITE AERATED CONCRETE FLOOR BLOCKS LAID ON 3# WOOD BEARERS

WALLS



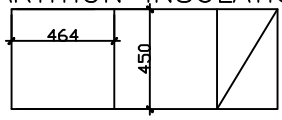
MAKE WOOD FRAME FROM 44X20 (2# 1300 AND 2# 528) SOFTWOOD STAPLED 4 TIMES AT EACH CORNER, 2 STAPLES EACH SIDE AT EACH CORNER.
TO BE LAID ON 16# 440X215X100 WHITE AERATED CONCRETE BLOCKS AND 4# 124X215X100 LAID LOOSE IN 2# STAGGERED COURSES OF 8# WHOLE BLOCKS AND 2# 124 CUT BLOCKS

ROOF INSULATION



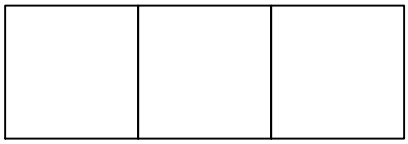
2# 1200x450x50MM. FOIL FACED BOTH SIDES CAVITY BATS CUT INTO 4# 600X450 PIECES. USE 3 FOR THE ROOF AND ONE CUT OUT TO USE AS AN OVERWINTER FONDANT FEEDER

PARTITION INSULATION



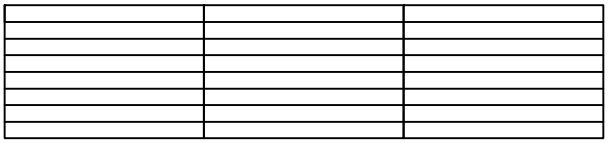
1# 1200x450x75MM. FOIL FACED BOTH SIDES INSULATION CUT INTO 2# 450X464 PIECES FOR USE INSIDE.

COVER SHEETS

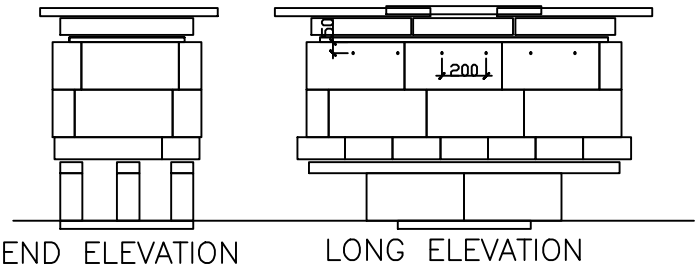


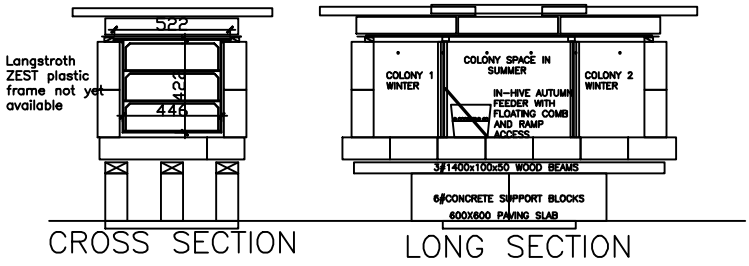
3# PIECES OF 600X600 POLYTHENE

CORRUGATED ROOF SHEETS



3# 600x900 PIECES OF CORRUGATED METAL SHEET CUT FROM 2700 SHEET
AND LAID OVER 3# PIECES OF ROOF INSULATION.
WEIGH DOWN WITH FLOWER POTS IN A TRAY





GUIDANCE ON THE BUILDING OF YOUR ZEST HIVE

1. Clear the ground and level it. Treat it with something unpleasant (like used engine oil) but not dangerous. To prevent burrowing rodents from undermining the foundation slab.
2. Lay the 600x600x50 foundation paving slab. Level with a spirit level. There is only one slab so that any uneven settlement can be easily dealt with by levering it up and repacking with earth to re-level it.
3. Lay the 6# 440x215x100 heavy foundation blocks on the slab as shown on the drawing, being cantilevered out from the foundation paving slab.
4. Lay 3# 1400x100x50 treated softwood on the blocks as floor support beams.
5. Lay 27# 440x215x100 lightweight insulating blocks loose where shown on the wood beams to form the floor (7#+7# half blocks) and walls 16#. They are to be as lightweight as possible such as "Durox Aircrete". If not available other lightweight blocks may be used. Any white block will suffice.
6. Scribe the internal volume of 1220x464 of the ZEST hive void central on the floor in both directions. Lay the wall blocks to the lines.
7. The blocks are laid loose and staggered to achieve bond.
8. Place the 44x20 wood frame on the top course of blocks.
9. Insert the plastic ZEST T-bar frames, partitions and queen excluders as required into the hive.
10. Deploy the 3 polythene cover sheet/s over the frames and the wood edging.
11. Lay the 3# 450x600x75 foil faced insulation on the polythene cover sheet.
12. Cut a hole in the 4th 450x600x75 insulation board to house a feeder.
13. Lay the 3# overlocking metal roof sheets onto the insulation and weigh down.

Purchases needed

1. 3# boxes of ZEST T-bar frames .
2. 1# box of 4 queen excluders.
3. 1# 600x600x38 paving slab.
4. 6# 440x215x100 concrete blocks.
5. 3# pieces of 1400x100x50 wood floor beams.
6. 29# 440x215x100 aerated concrete blocks, some cut as described.
7. 2# pieces of 1300x44x20 wood.
8. 2# pieces of 528x44x20 wood.
9. 3# 1200x450x75 foil faced insulation board cut as described.
10. 1# 1800x600 heavy duty polythene cut as described.
11. 1# 2700x600 corrugated metal sheet cut as described
12. 3# large heavy flower pots in a 1200x500 tray to hold down the roof.
13. 12# Wine corks.

Tools needed

1. Old wood saw to cut 7# blocks and insulation
2. Staple gun
3. Spirit level
4. 20mm masonary drill bit and drill.
5. Angle grinder for cutting roof sheet.
6. Tape measure.
7. Scissors