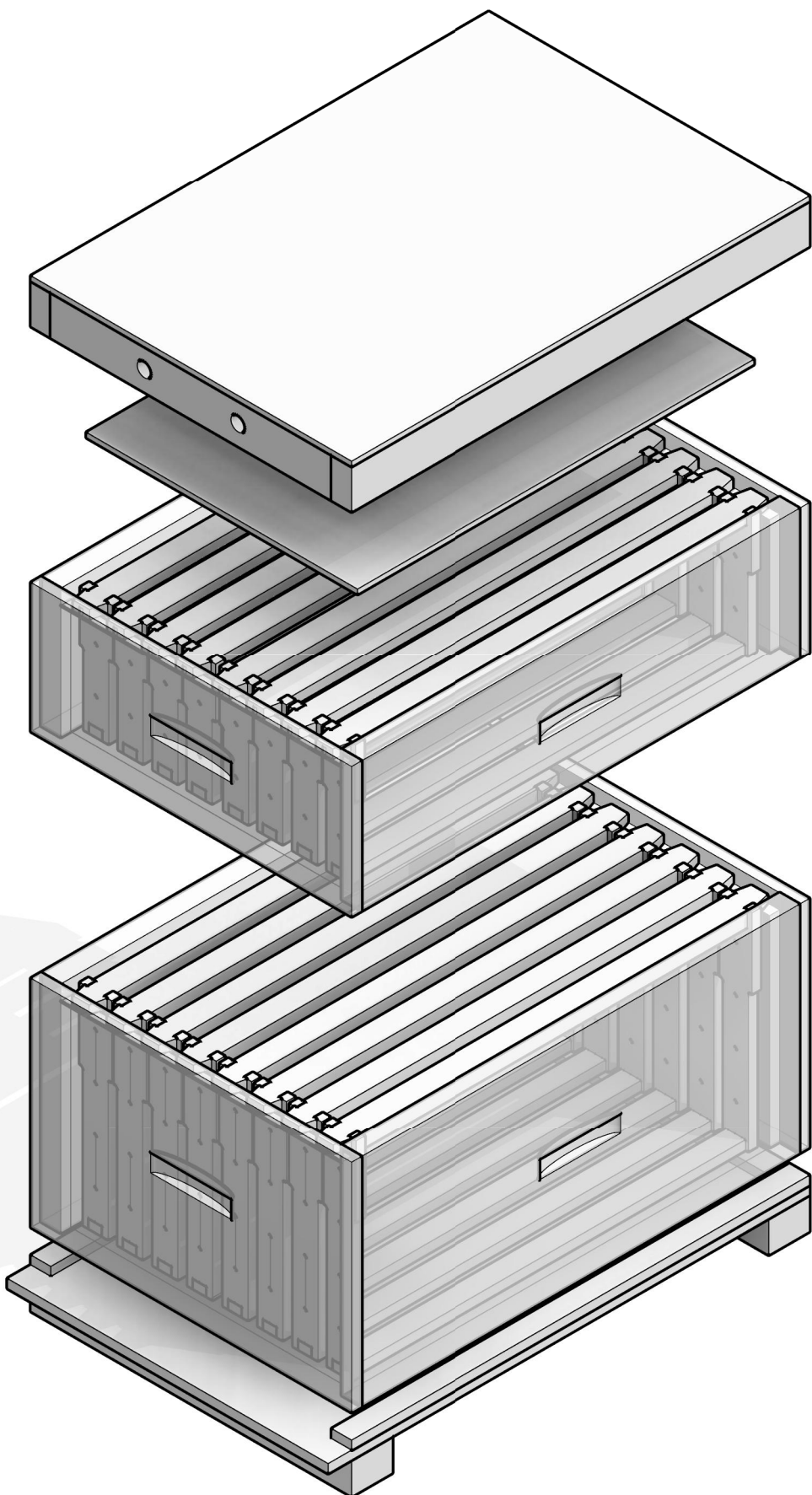


SOUTHERN TASMANIAN BEEKEEPERS

STANDARD SPECIFICATION FOR BEEHIVES



This standard has been developed in response to the plethora of different Langstroth beehive parts in use in Tasmania all claiming to be 'standard' but often proving to have compatibility problems one with another. Manufacturers adopting this standard must acknowledge the source and may specify "Manufactured to the Southern Tasmanian Standard" or "Complies with the Southern Tasmanian Standard".

The tolerance on all dimensions is ± 0.5 mm except for the width of end bars which is - 0.4 mm (minus 0.4 mm). Alternatively, the width of end bars may average between 35 and 35.4 mm.

In arriving at this standard some basic assumptions have been made as have some compromises. The chief assumption is that most beekeepers do not have the capability to manufacture their own frames so the most common sizes have been adopted and adjustment made to the depth of the standard boxes to preserve the bee space - it is considered more likely the average beekeeper will have access to the equipment needed to trim the bottoms of boxes to the required sizes. The chief compromise concerns the bottom board – the current design is considered so ubiquitous that it would be impossible to change. In reality, bees prefer a cluster space between the bottom board and the frames of the lowest box. With the current bottom board this often results in bees gnawing away the bottom of the combs to create this cluster space which, in turn, results in drone comb being built in its stead when these combs are manipulated upwards. An alternative design is suggested on page 6 which will rectify this problem.

The 8 frame variant is far and away the most common in Tasmania. Ten frame boxes vary only in their width from those of the 8 frame variety so the outside width has been set at 410 mm for the purpose of this standard. Those using 10 frame hives may find the frames a tight fit, especially once wax and propolis have built up on them but again, the 410 mm ten frame box is in widespread use so we are obliged to stay with it. Many apiarists run these on 9 frames to counter the problem, others use plastic frames which have a slightly narrower end bar.

It has been suggested that the cover page of this standard implies that a configuration of full depth box for brood and ideal boxes for honey is the preferred combination. This is unintentional. There is no consensus on what combination of ideal and full depth boxes should be used, it is purely a matter of choice.

Finally, a note on materials: Most manufacturers use Radiata pine for all wooden components. Where parts are exposed to the elements this species is unsatisfactory if not treated and those who rely on paint alone to preserve their timber boxes will be disappointed in their longevity. Suitable treatments include hot wax dipping, copper naphthanate or dipping in hot linseed oil, all followed by paint once aired. Copper naphthanate may not be acceptable for some markets. A suitable alternative is to specify box manufacture in durable timber species. Durability is imparted by differing attributes in different species but many local hardwoods are durable outdoors with only paint to preserve them as are some softwood species such as Celery Top pine and Macrocarpa pine. In general, durable timbers will not absorb preservatives. They also usually require longer to season than Radiata and some may need kiln drying and/or reconditioning. The preferred material for both bottom and top boards is Weathertex beekeeping stock. The cleats and risers of bottom boards should always be made from durable timbers. Radiata pine is acceptable for frame components, as are many of the hardwood species – the stability of the species and its ability to be glued and nailed without splitting are the most important attributes here. There is a penalty both in weight and cost when using hardwoods but longevity should be the reward.

Anybody who encounters a problem with this standard should contact the Southern Beekeepers Association.

Page List	
Page Nr.	Page Name
1	FULL DEPTH Box Dimensions
2	IDEAL Box Dimensions
3	Section
4	IDEAL - FRAME
5	FULL DEPTH - FRAME
6	Jointing Options
Grand total: 6	

Job Details

Client name: Southern Beekeepers Association Inc.

Address: 35 Hutchins Street, Kingston TAS 7050

Drawing title:
TITLE PAGE

Date drawn:
24-Jul-15 7:00:35 PM

Drawing number:
00

Drawn by:
Julian Bunda

Paper size: A3

Scale:

JJ Drafting

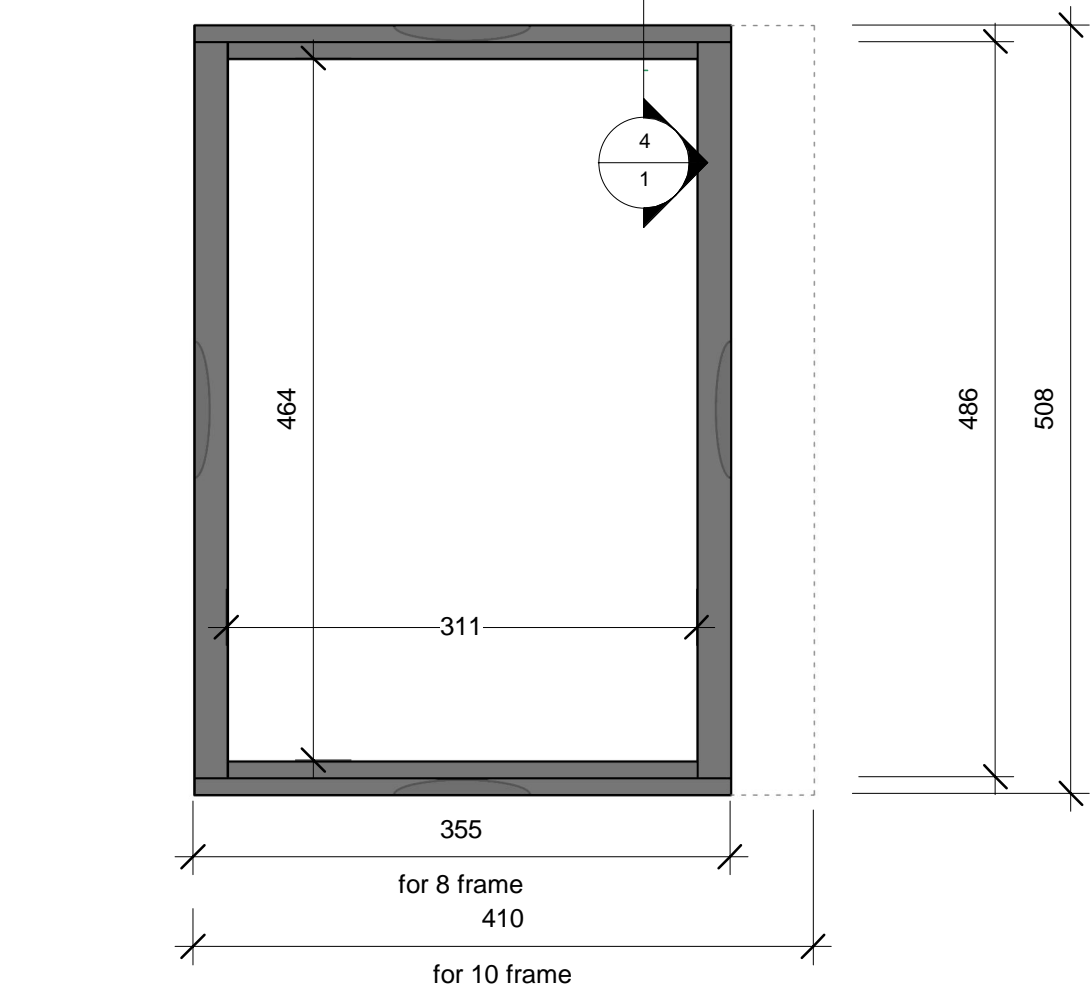
Julian Bunda
0400 619 803
jj@telegraphics.com.au
62 Tarroona Crescent
Tarroona, 7053

ABP: CC6244

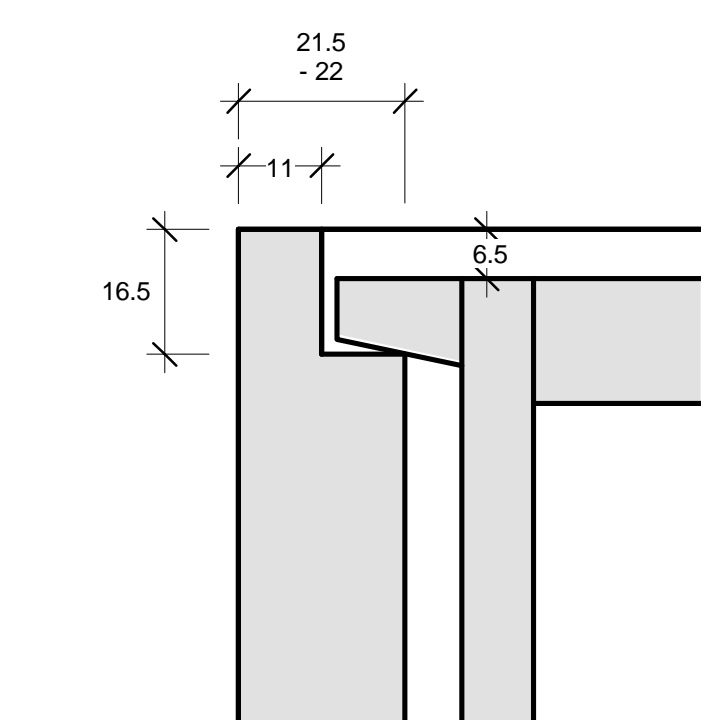
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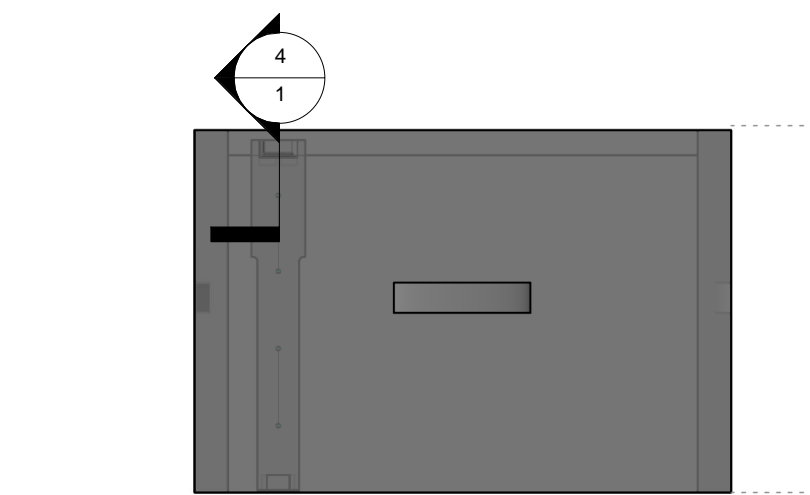
FULL DEPTH Type Box



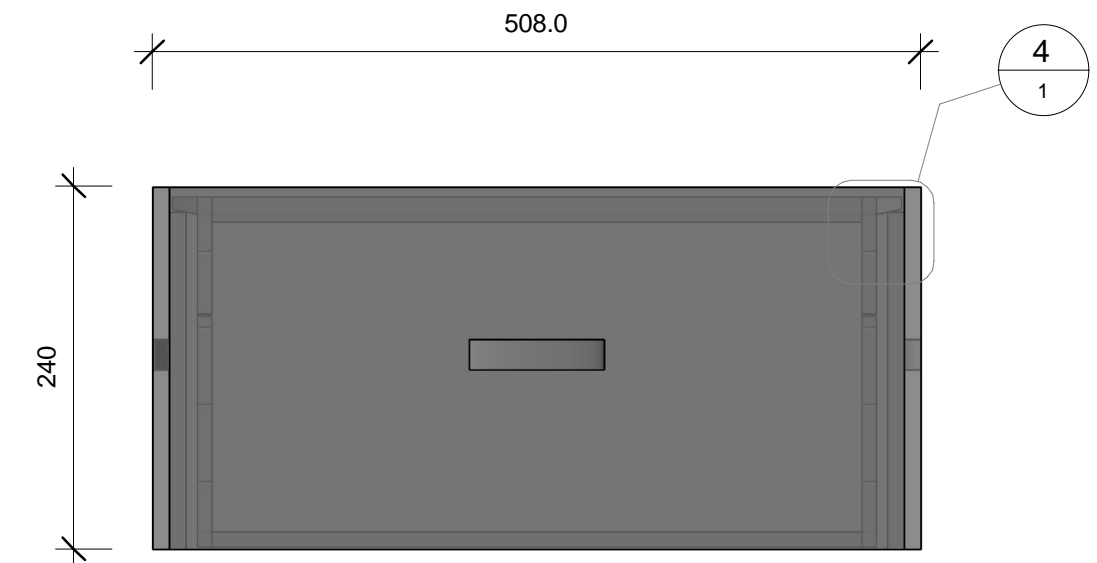
1 Plan - FULL DEPTH
1 : 5



4 Section of short wall- FULL DEPTH
1 : 1



2 Front- FULL DEPTH
1 : 5



3 Side - FULL DEPTH
1 : 5

Job Details

Client name: Southern Beekeepers Association Inc.

Address: 35 Hutchins Street, Kingston TAS 7050

Drawing title: FULL DEPTH Box Dimensions

Date drawn: 24-Jul-15 7:00:37 PM

Drawing number: 1

Drawn by: Julian Bunda

Scale: As indicated

Paper size: A3

JJ Drafting

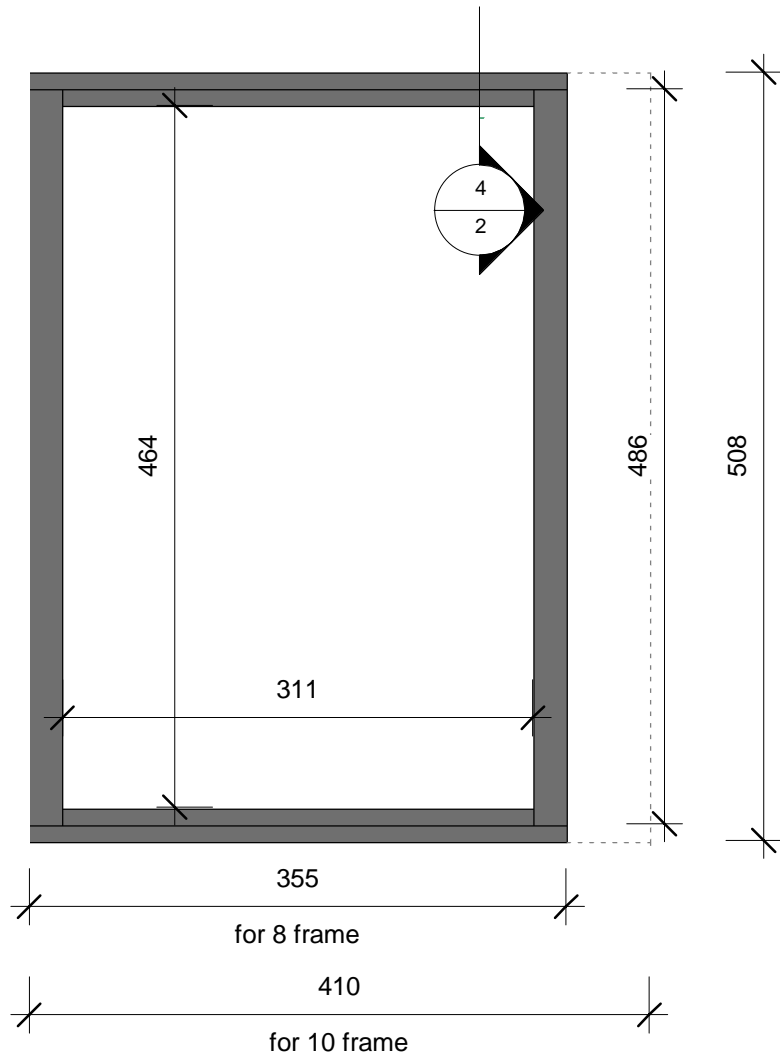
Julian Bunda
0400 619 803
jj@telegraphics.com.au
62 Taroona Crescent
Taroona, 7053

ABP: CC6244

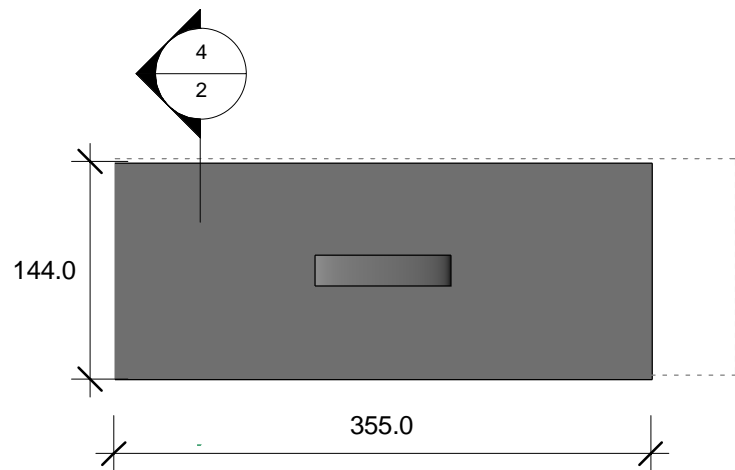
DO NOT SCALE Drawings

0 1 2 3 4 5

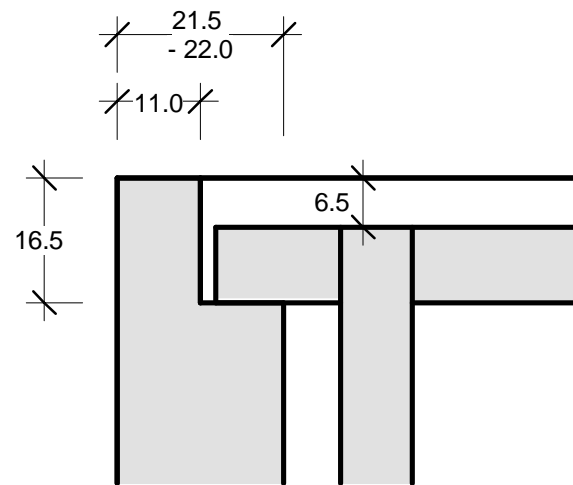
IDEAL Type Box



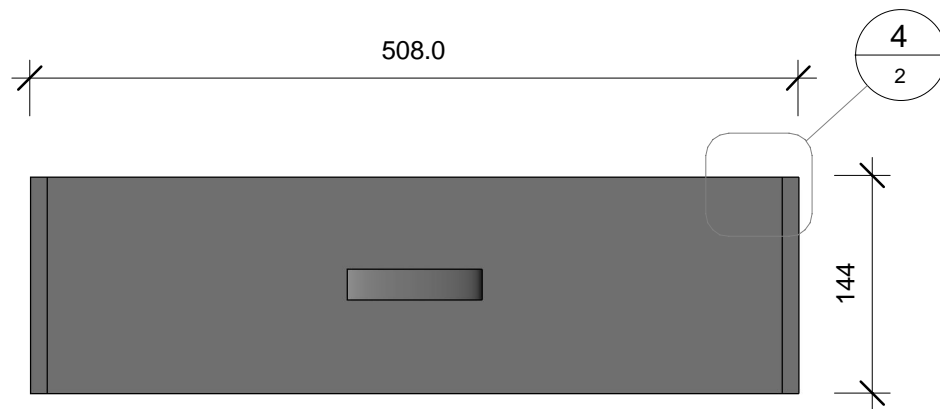
3 Plan - IDEAL
1 : 5



1 Front View- IDEAL
1 : 5



4 Section of short wall - IDEAL
1 : 1



2 Side View- IDEAL
1 : 5

Job Details

Client name: Southern Beekeepers Association Inc.

Address: 35 Hutchins Street, Kingston TAS 7050

Drawing title:

IDEAL Box Dimensions

Date drawn:

24-Jul-15 7:00:38 PM

Drawing number:

2

Drawn by:
Julian Bunda

JJ Drafting

Julian Bunda
0400 619 803
jj@telegraphics.com.au
62 Taroona Crescent
Taroona, 7053

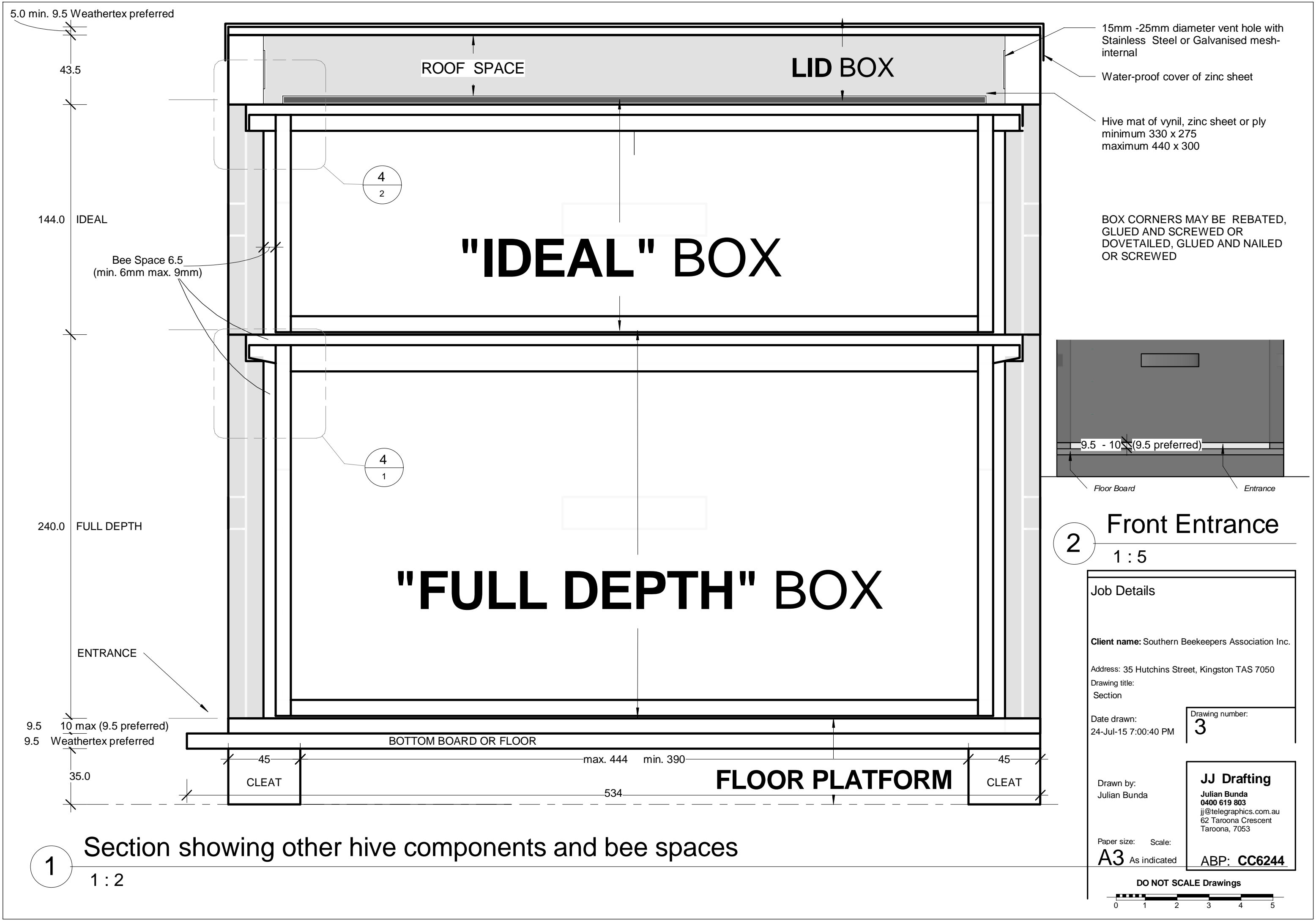
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A3 As indicated

ABP: CC6244

DO NOT SCALE Drawings





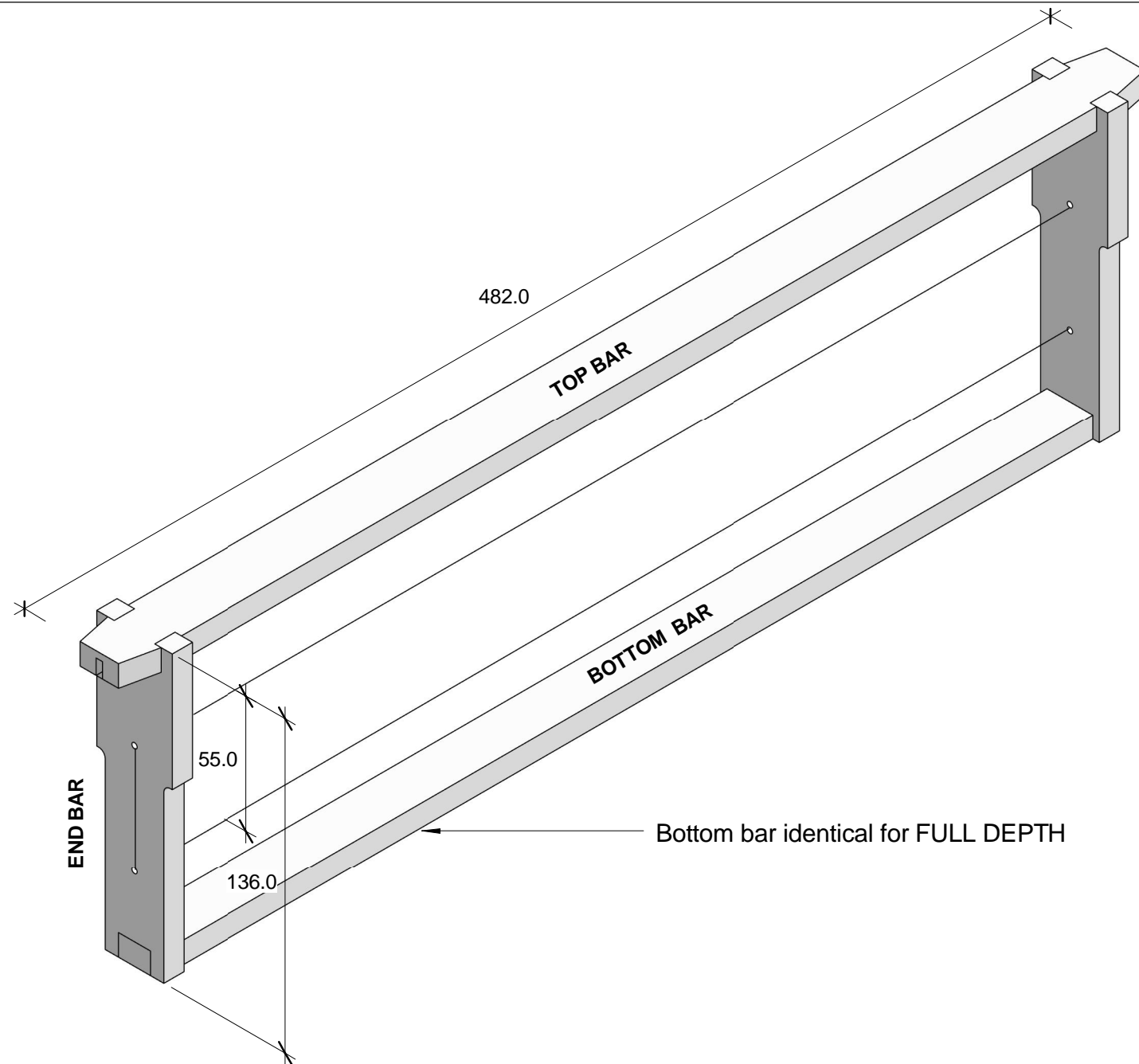
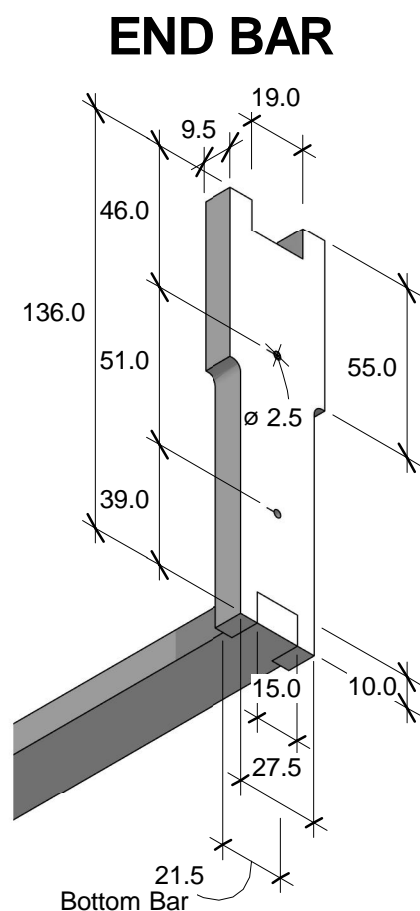
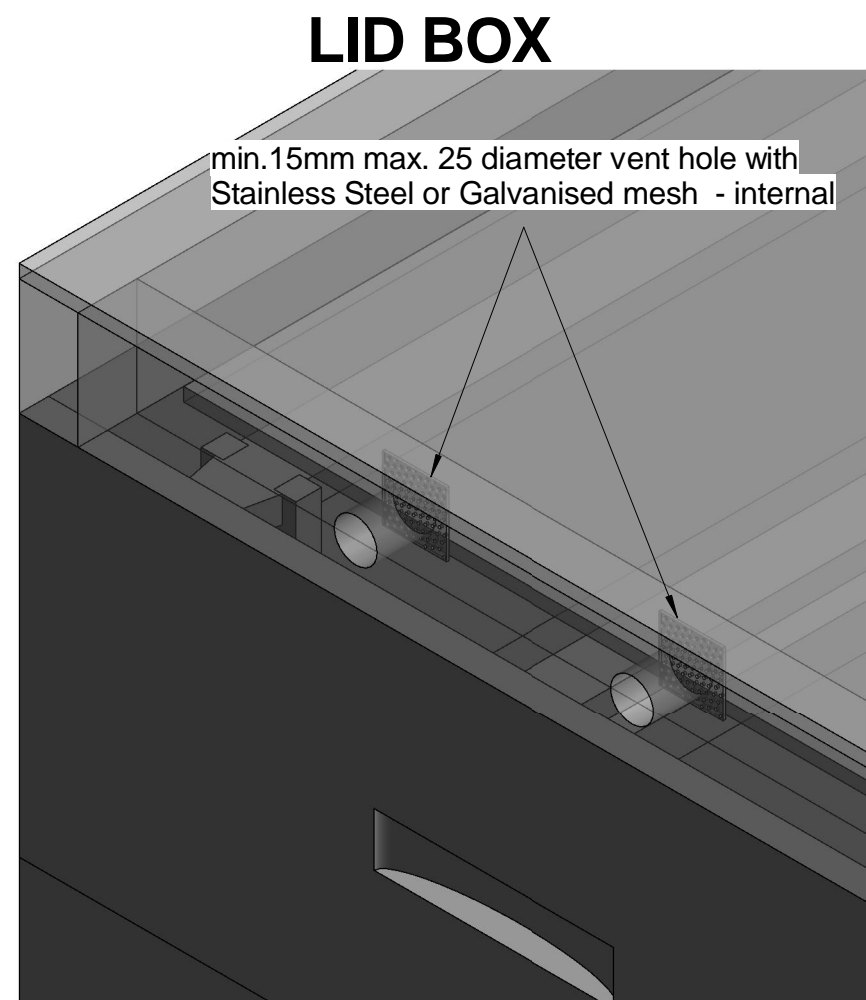
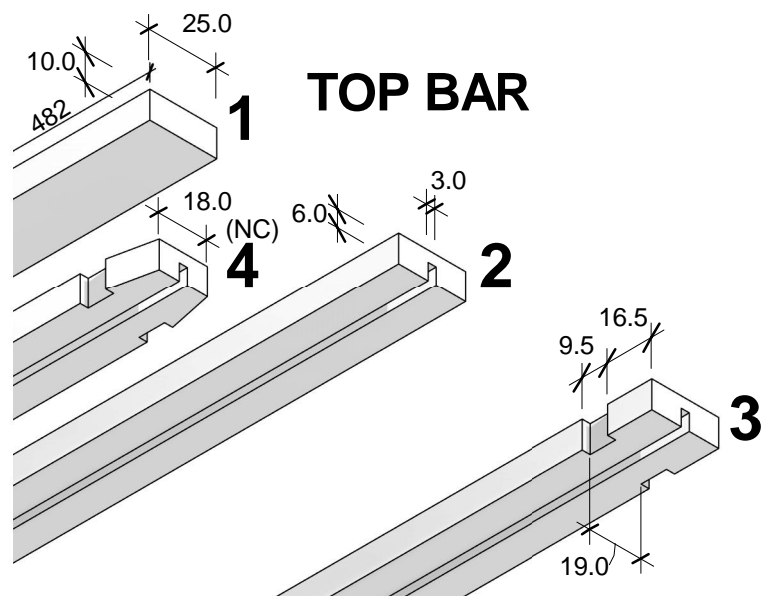
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Section showing other hive components and bee spaces

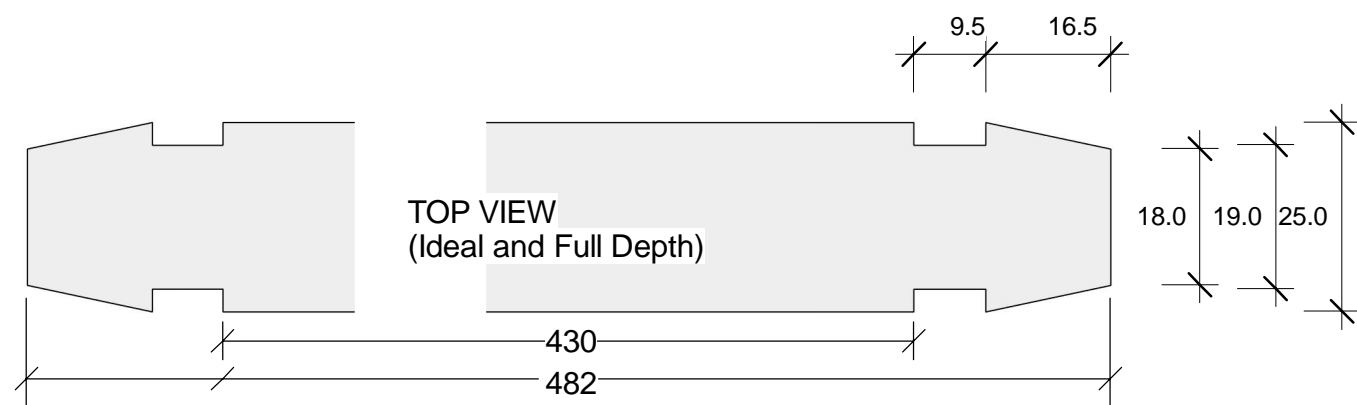
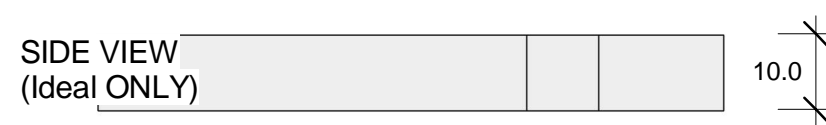
1 : 2

IDEAL

Frame Dimensions and Cutting Sequence for



TOP BAR
Scale 1:1

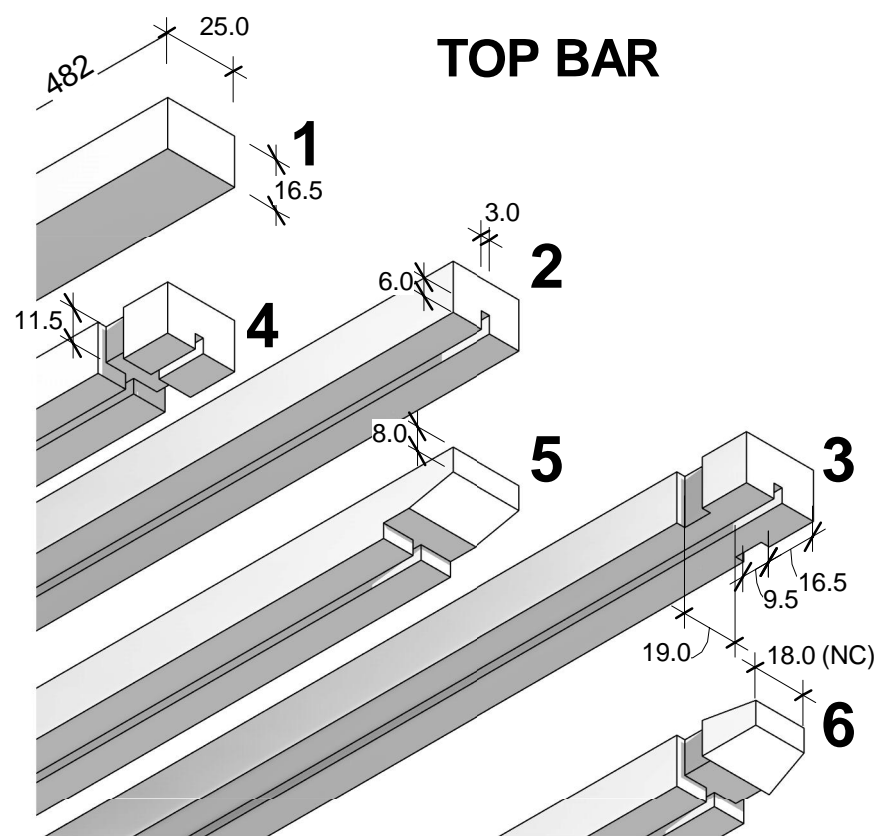


Job Details	
Client name: Southern Beekeepers Association Inc.	
Address: 35 Hutchins Street, Kingston TAS 7050	
Drawing title: IDEAL - FRAME	
Date drawn: 24-Jul-15 7:00:44 PM	Drawing number: 4
Drawn by: Julian Bunda	
JJ Drafting Julian Bunda 0400 619 803 jj@telegraphics.com.au 62 Taroona Crescent Taroona, 7053	
Paper size: A3	Scale: ABP: CC6244
DO NOT SCALE Drawings	

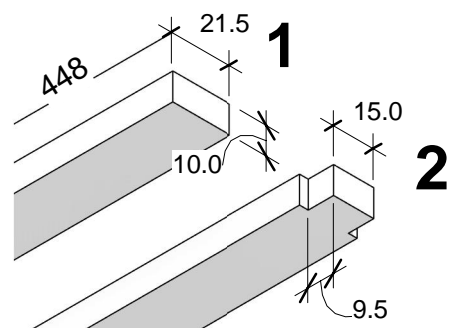


FULL DEPTH

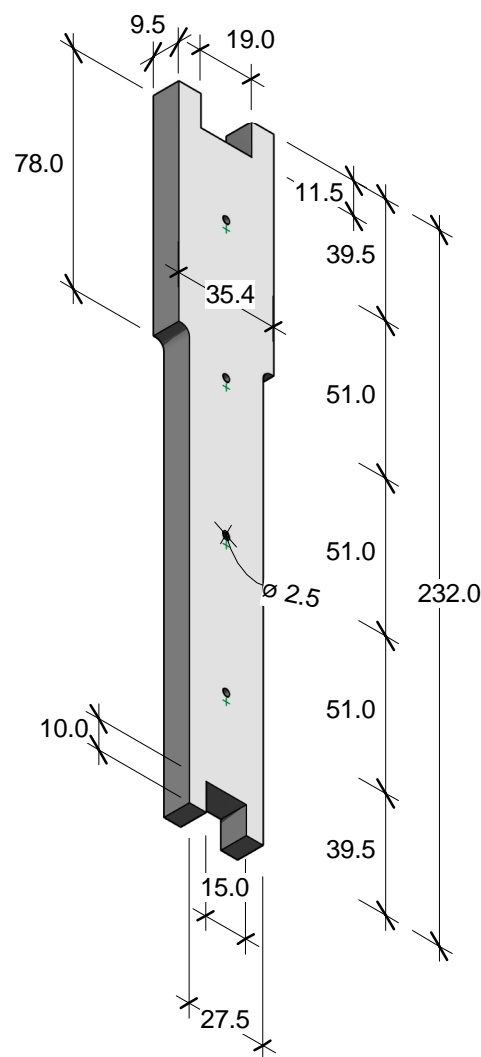
Frame Dimensions and Cutting Sequence for



BOTTOM BAR
(Identical for IDEAL TYPE)

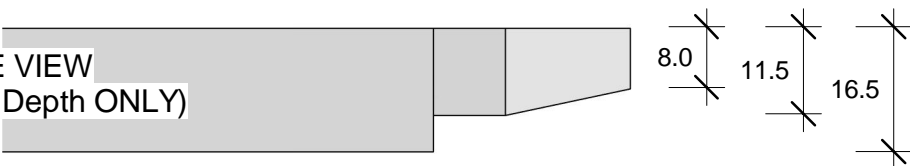


END BAR

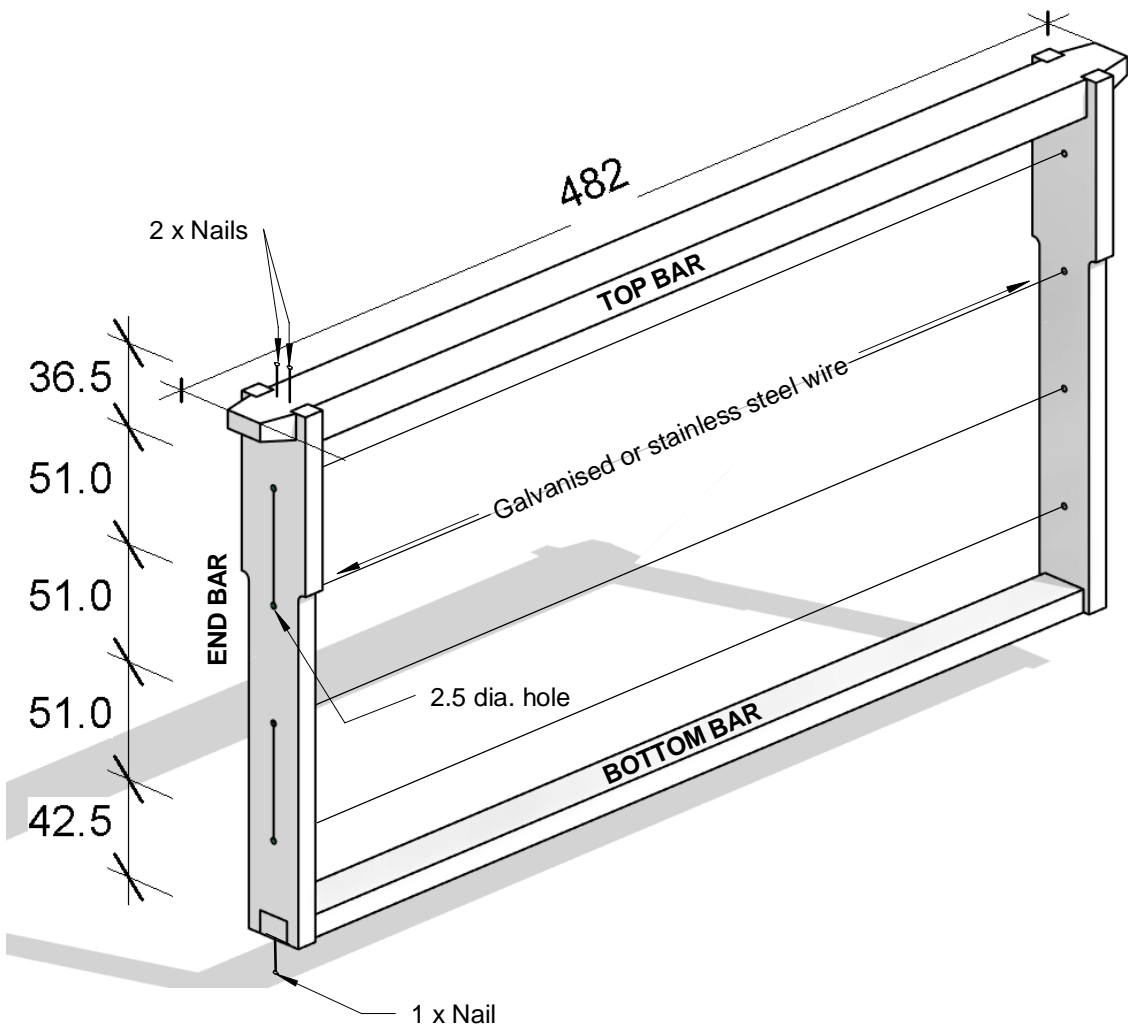
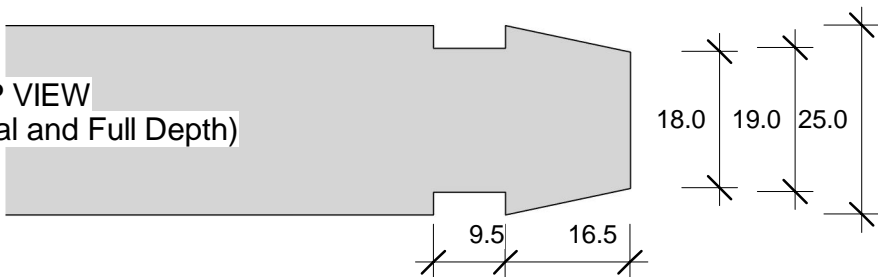


TOP BAR
Scale 1:1

SIDE VIEW
(Full Depth ONLY)



TOP VIEW
(Ideal and Full Depth)



Job Details

Client name: Southern Beekeepers Association Inc.

Address: 35 Hutchins Street, Kingston TAS 7050

Drawing title:
FULL DEPTH - FRAME

Date drawn:
24-Jul-15 7:00:50 PM

Drawing number:
5

Drawn by:
Julian Bunda

Paper size: A3
Scale: 1:5

JJ Drafting

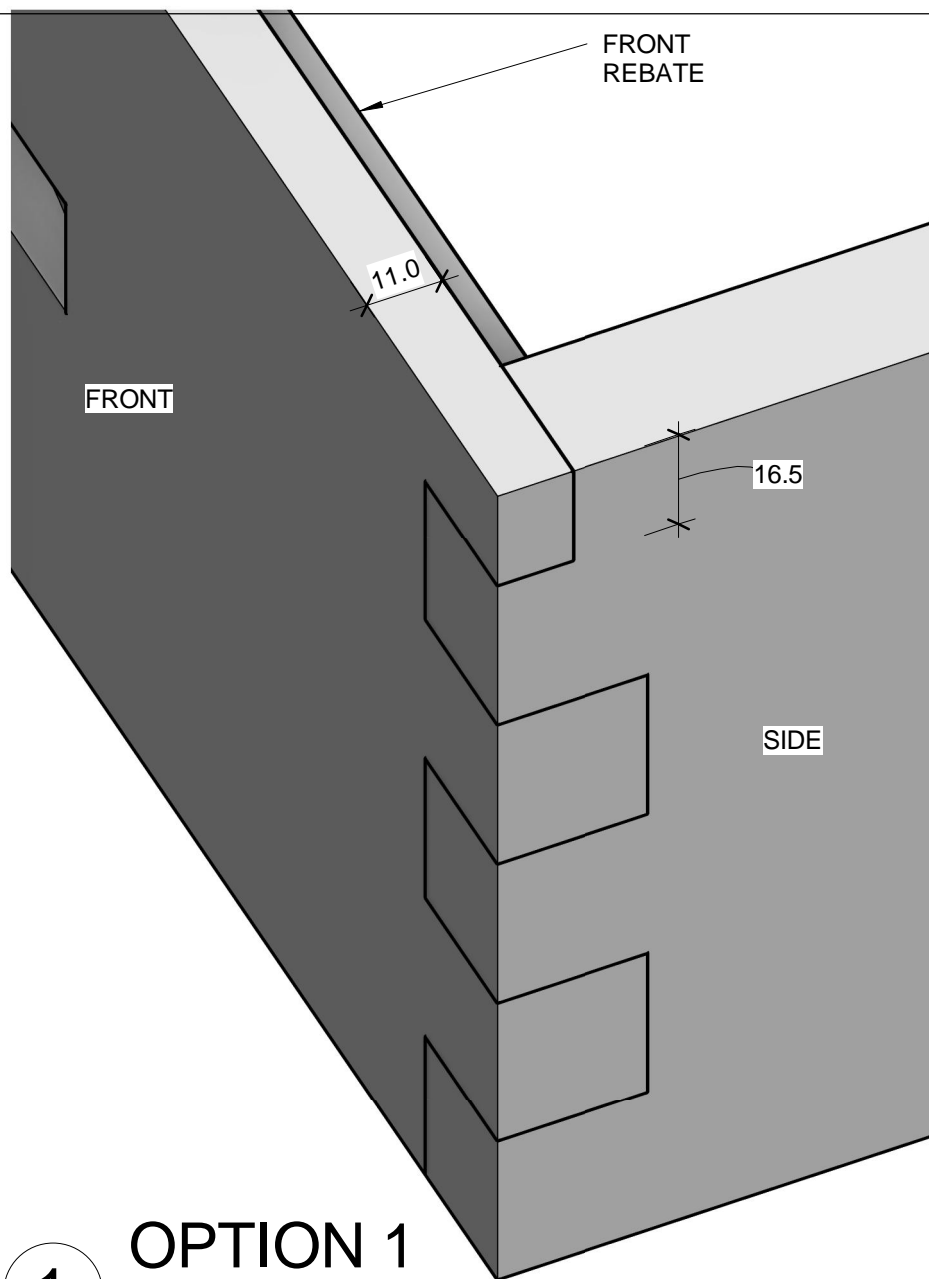
Julian Bunda
0400 619 803
jj@telegraphics.com.au
62 Taroona Crescent
Taroona, 7053

ABP: CC6244

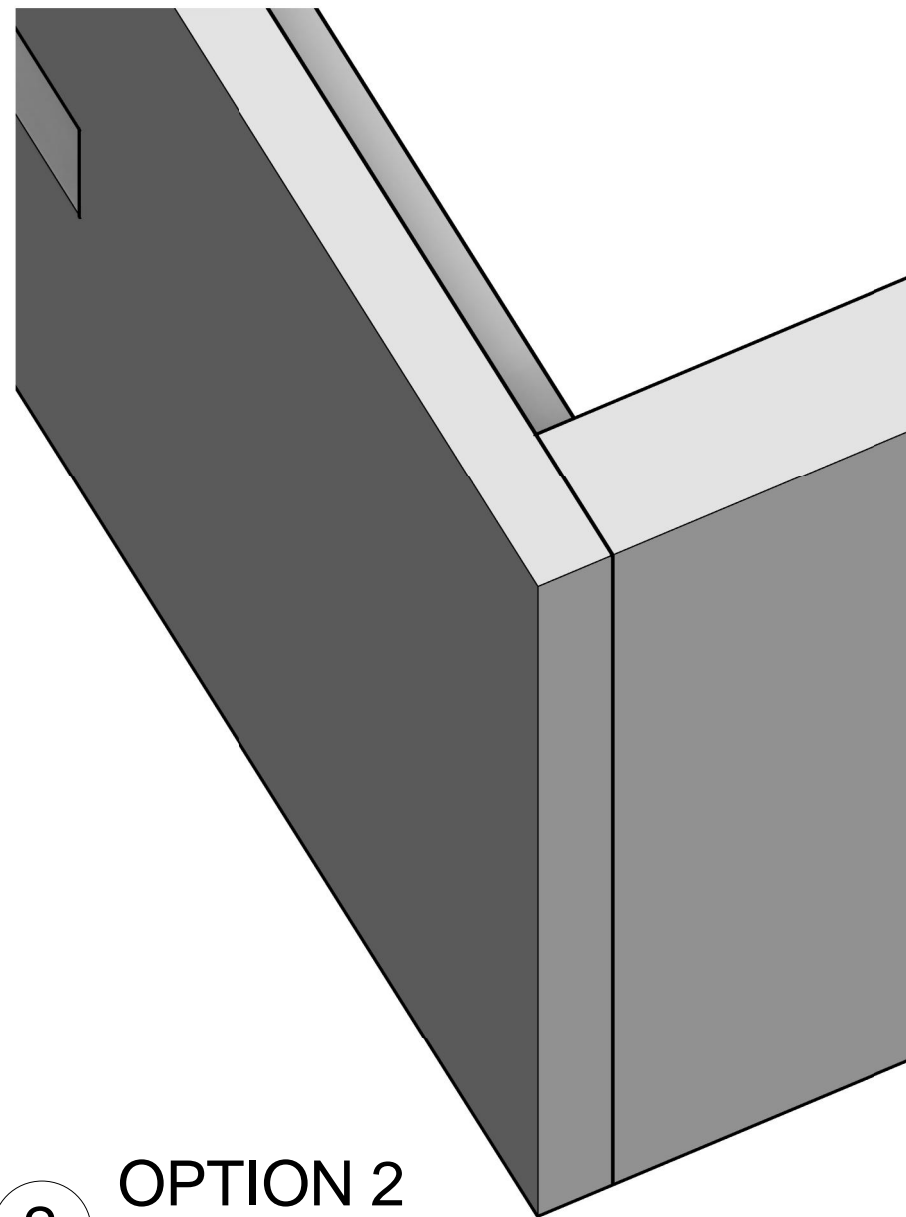
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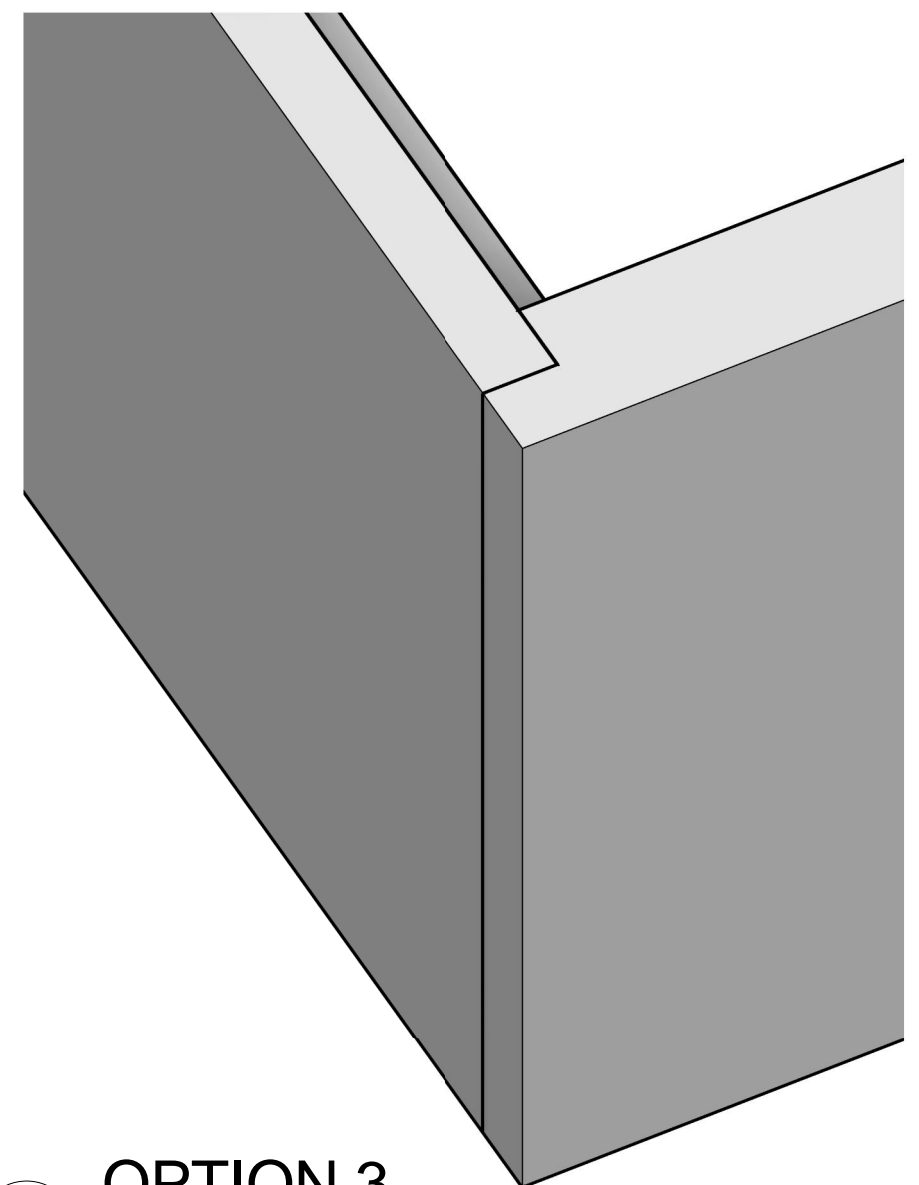
ALL JOINTS GLUED AND NAILED



OPTION 1



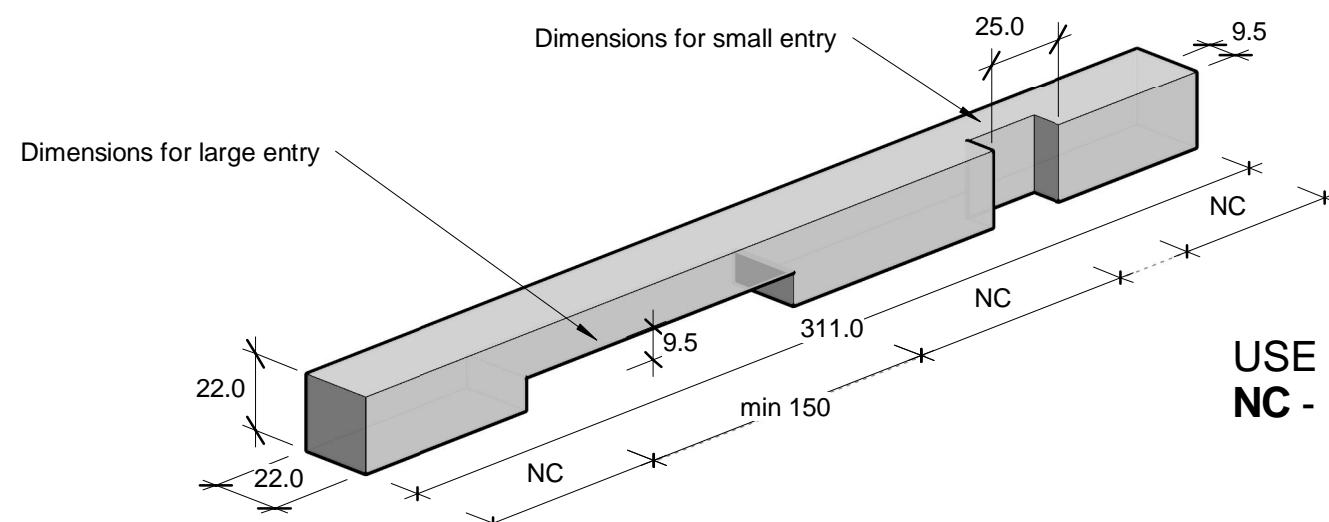
OPTION 2



OPTION 3

JOINTING OPTIONS FOR BOX CORNERS

Box corners may be rebated, glued and screwed or dovetailed, glued and nailed or screwed



USE 22MM RISERS ON STANDARD BOTTOM BOARD
NC - Not Critical

ENTRANCE BLOCK FOR ALTERNATIVE BOTTOM BOARD

Job Details

Client name: Southern Beekeepers Association Inc.

Address: 35 Hutchins Street, Kingston TAS 7050

Drawing title:
Jointing Options

Date drawn:
24-Jul-15 7:00:58 PM

Drawing number:
6

Drawn by:
Julian Bunda

JJ Drafting

Julian Bunda
0400 619 803
jj@telegraphics.com.au
62 Taroona Crescent
Taroona, 7053

ABP: CC6244

Paper size: A3 **Scale:**

DO NOT SCALE Drawings

