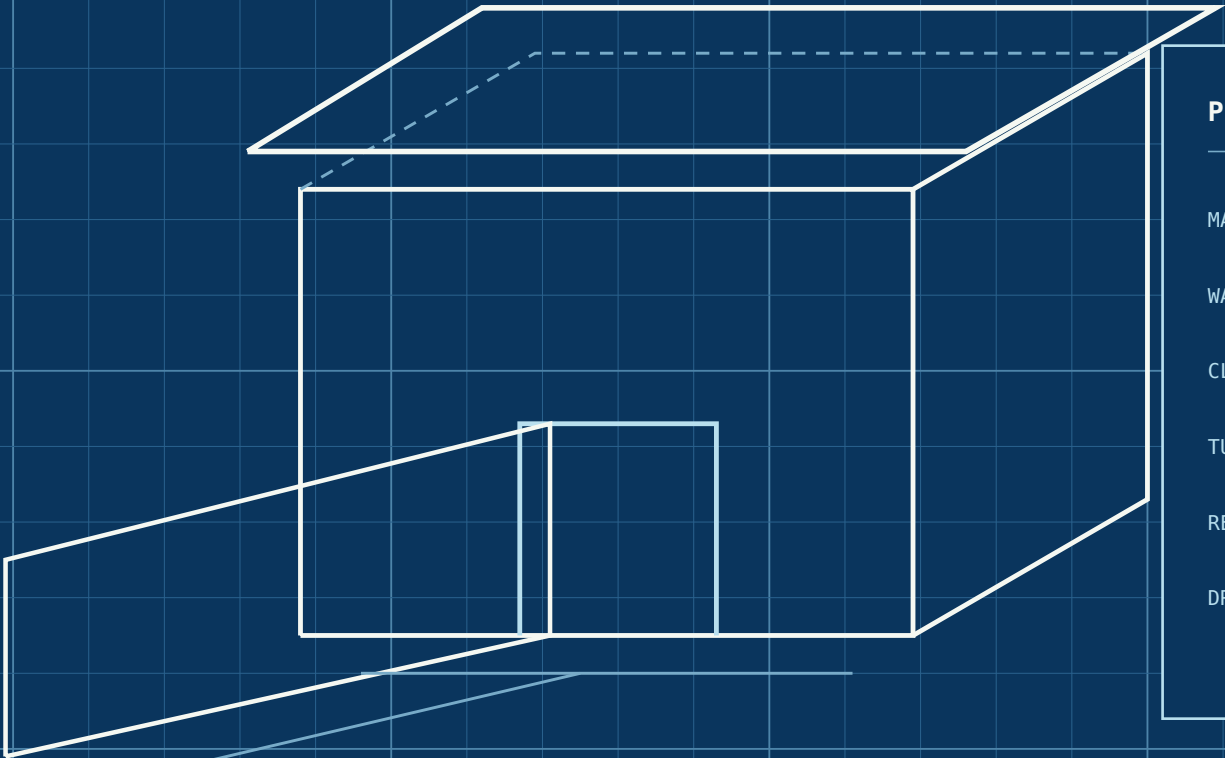


PALLET-WOOD HEDGEHOG HOUSE

BLUEPRINT + BUILD DIAGRAM PACK



GENERAL ASSEMBLY | NOT TO SCALE

PROJECT AT A GLANCE

MAIN SHELL	400 x 300
WALL HEIGHT	300
CLEAR ENTRANCE	130 x 130
TUNNEL LENGTH	300
REMOVABLE ROOF	450 x 350
DRAWING PLATES	9

CRITICAL BUILD RULE

Use permitted, clean, unpainted HT-marked timber and keep the full entrance and tunnel 130 x 130mm clear.

PALLET-WOOD HEDGEHOG HOUSE

CONSTRUCTION PLATE No. 01 | FINISHED PROJECT OVERVIEW

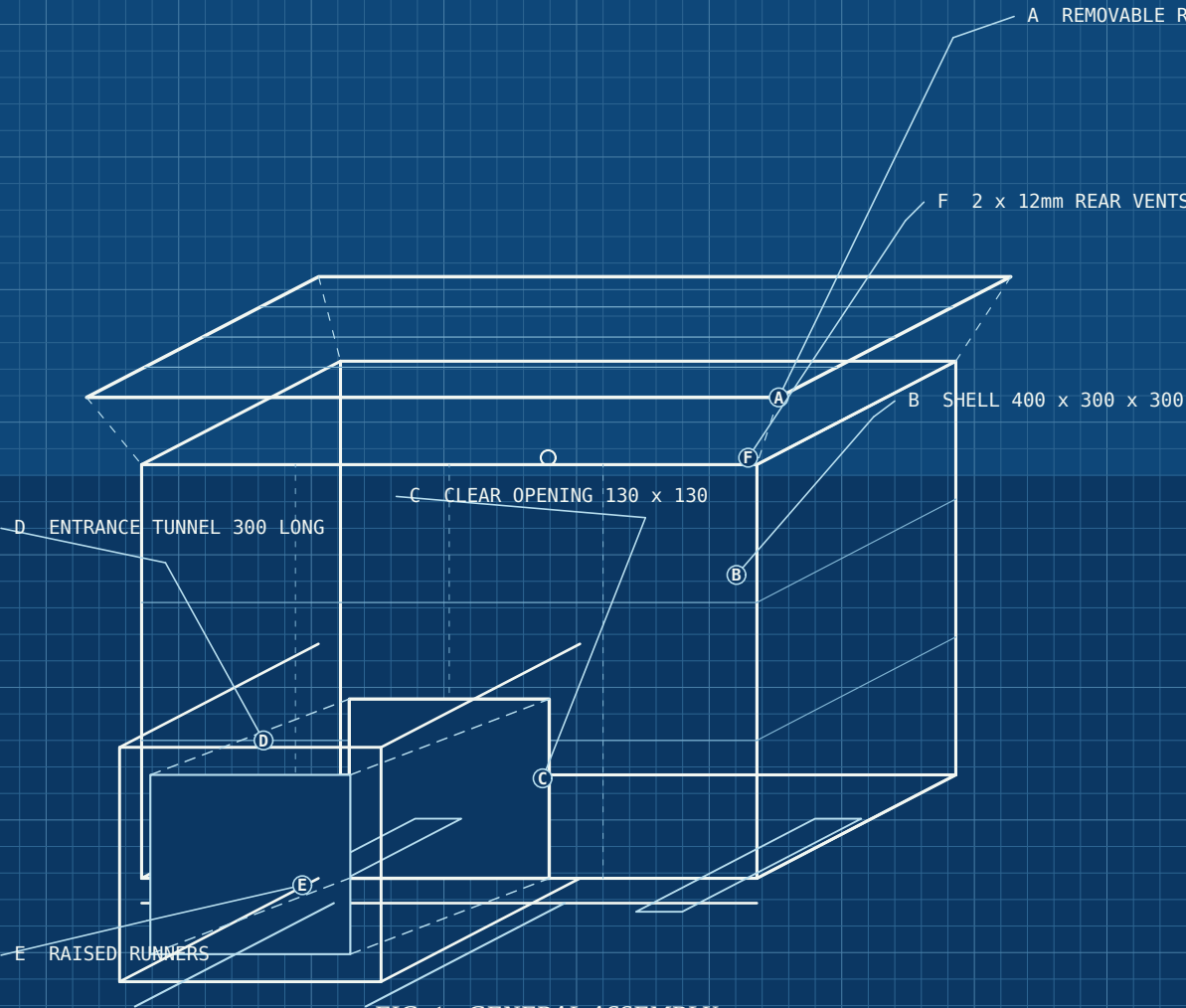


FIG. 1 - GENERAL ASSEMBLY

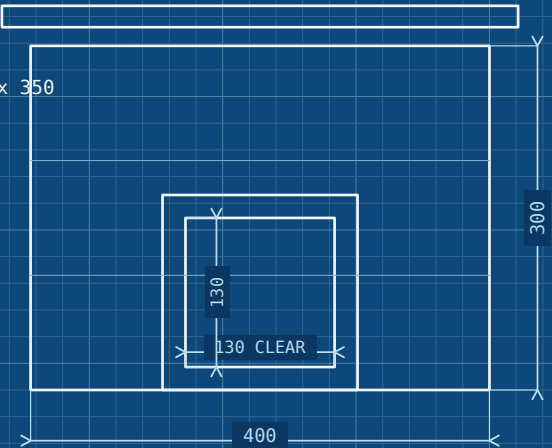


FIG. 2 - FRONT ELEVATION

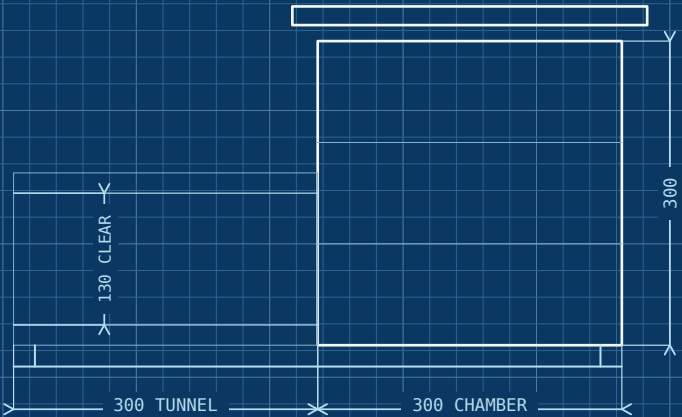


FIG. 3 - SIDE ELEVATION

KEY: A ROOF | B CHAMBER | C CLEAR ENTRANCE | D TUNNEL | E RUNNERS | F VENTS
ALL DIMENSIONS IN MILLIMETRES | NOT TO SCALE | ORIGINAL BACKYARD FARMER DRAWING

PRACTICAL ORTHOGRAPHIC BUILD PLAN | ALL DIMENSIONS IN MILLIMETRES

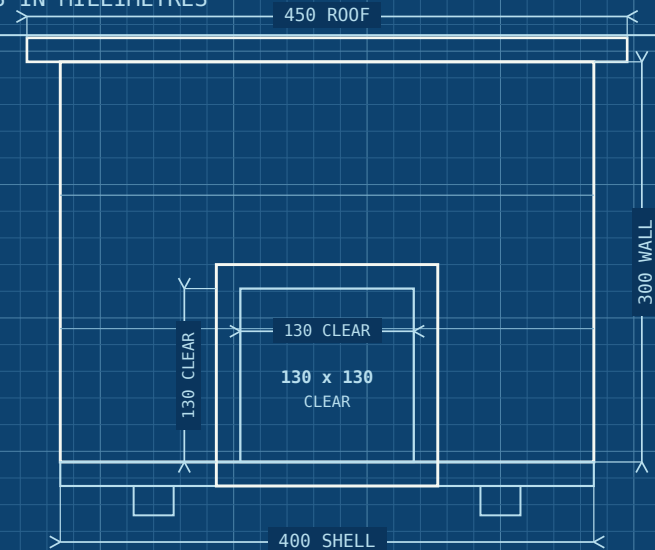


FIG. 2 - FRONT VIEW

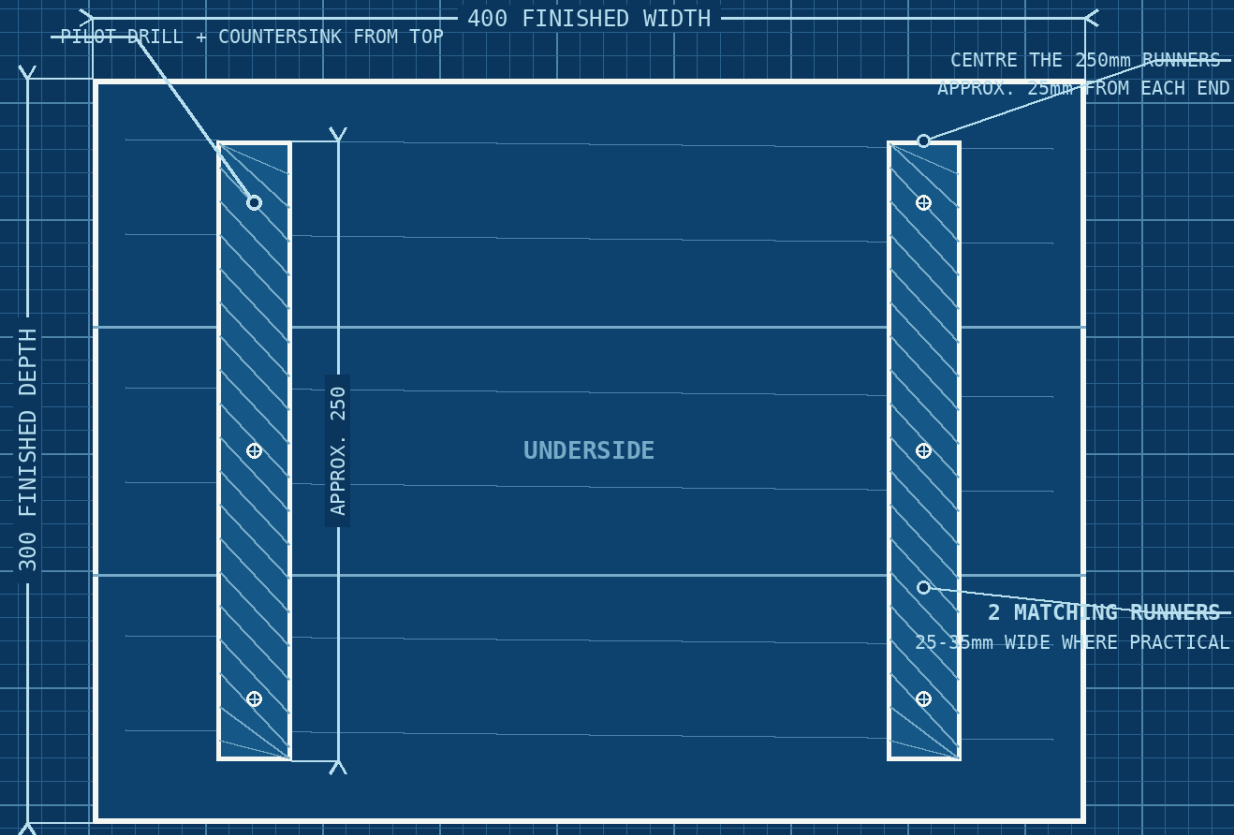


BASE		1 x 400 x 300
FRONT / BACK		2 x 400 x 300
SIDE WALLS	2 x MEASURE-TO-FIT	x 300
ROOF		1 x 450 x 350
TUNNEL SIDES		2 x 300 x 130
TUNNEL TOP / FLOOR	2 x 300 x OUTER WIDTH	

t = YOUR MEASURED BOARD THICKNESS.
SIDE LENGTH = MEASURE BETWEEN FRONT
AND BACK (300 - 2t IF UNIFORM).
TUNNEL OUTER WIDTH = 130 + 2t.
300 IS WALL HEIGHT, NOT TOTAL HEIGHT.
RUNNERS: 2 x APPROX. 250 BASE; 2 x 300 TUNNEL.
REAR VENTS: 2 x 12mm; CENTRES 70 BELOW TOP.
USE ENOUGH BOARDS, JOIN, THEN TRIM.
KEEP THE FULL ROUTE 130 x 130 CLEAR.

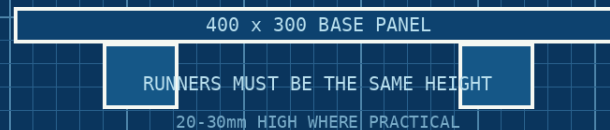
BUILD THE RAISED FLOOR

BASE PANEL AND RUNNER POSITIONS | UNDERSIDE VIEW



3 BOARDS SHOWN AS AN EXAMPLE - USE ENOUGH 400mm BOARDS TO REACH 300mm, THEN TRIM SQUARE

SIDE PROFILE

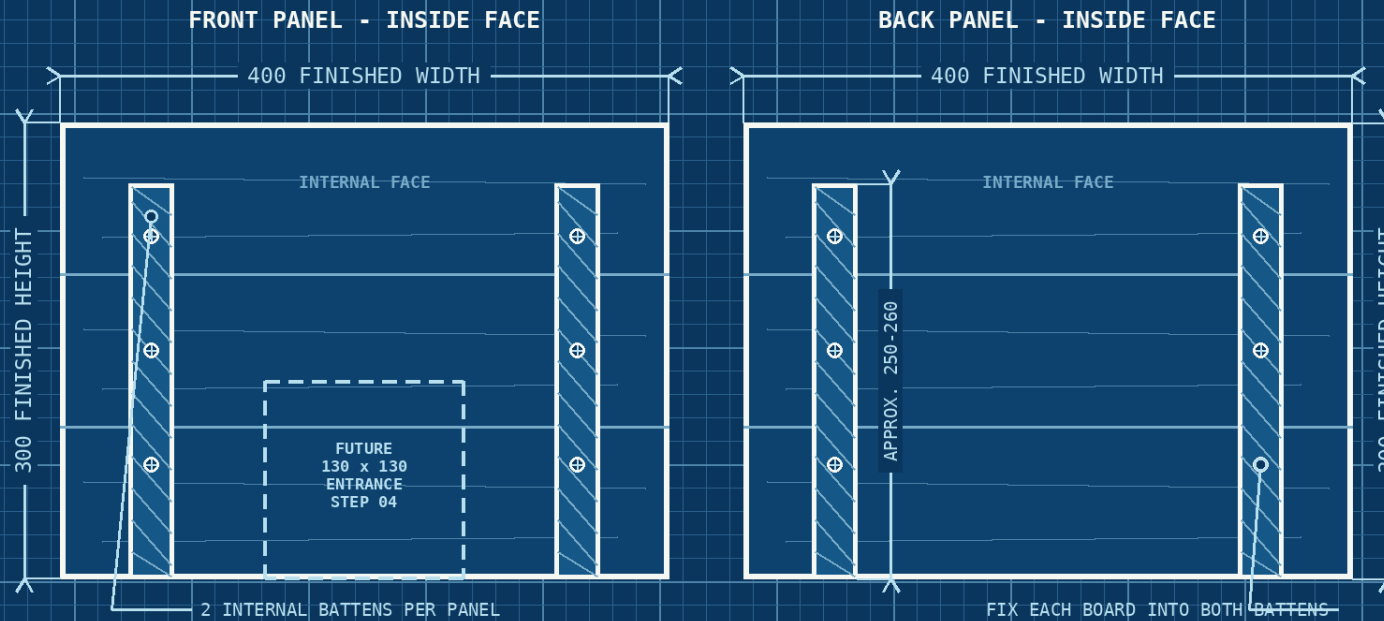


BUILD CHECKS

- [] FINISHED PANEL 400 x 300
- [] TWO APPROX. 250mm RUNNERS
- [] MATCHING RUNNER HEIGHT
- [] PANEL SITS FLAT - NO ROCKING

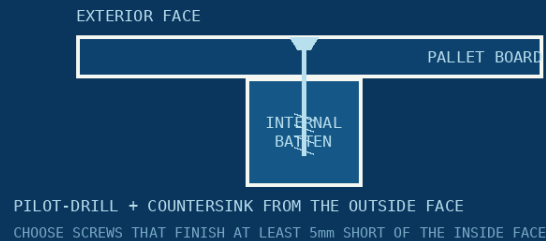
MAKE THE FRONT + BACK PANELS

TWO 400 x 300mm PANELS | INSIDE FACES SHOWN



3 BOARDS SHOWN AS AN EXAMPLE - USE ENOUGH 400mm BOARDS TO REACH 300mm, THEN TRIM SQUARE
 FRONT PANEL: KEEP BOTH BATTENS OUTSIDE THE DASHED ENTRANCE AREA - DO NOT CUT THE OPENING YET

FIXING DETAIL - NOT TO SCALE

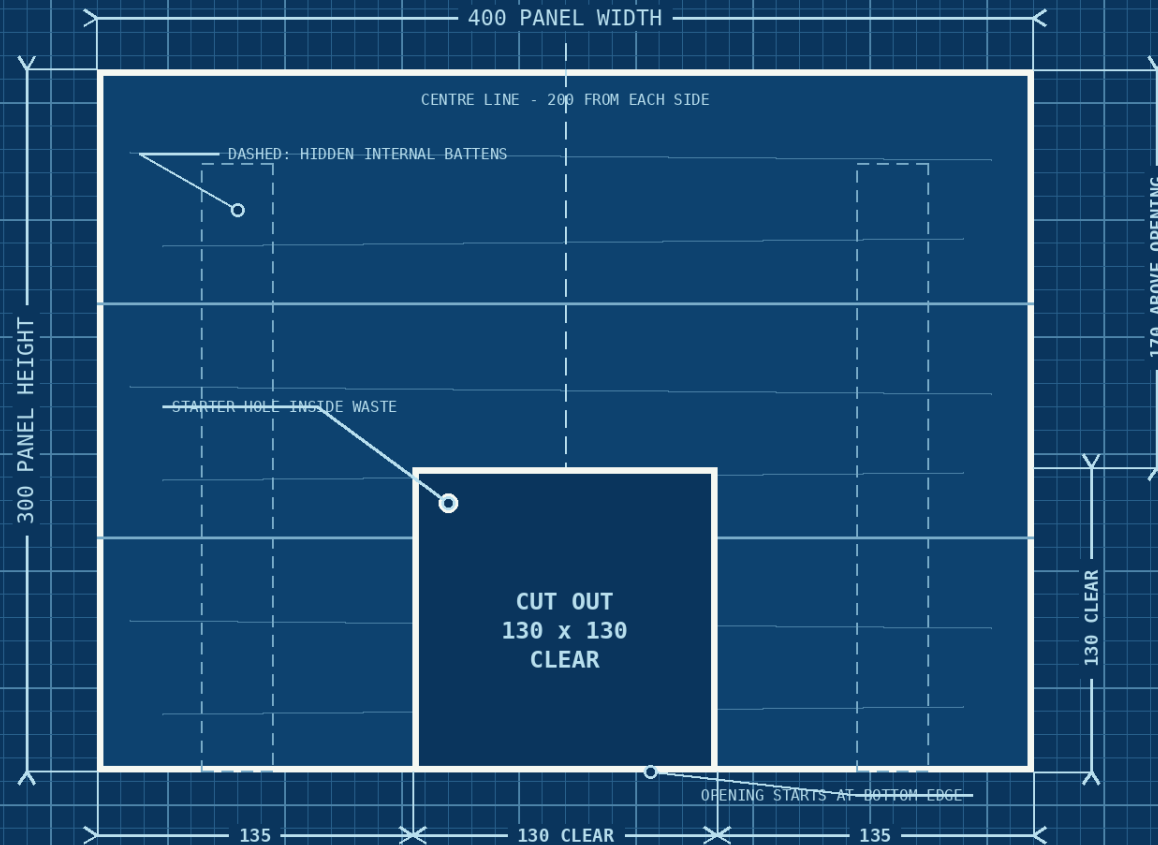


BUILD CHECKS

- [] TWO FINISHED PANELS: 400 x 300
 - [] TWO BATTENS ON EACH INTERNAL FACE
 - [] BATTENS APPROX. 250-260mm LONG
 - [] BATTENS FLUSH WITH THE BOTTOM EDGE
 - [] FRONT ENTRANCE AREA REMAINS CLEAR
 - [] BOTH PANELS CHECKED WITH A SQUARE
- BATTENS: 25-35mm WIDE x 20-30mm THICK WHERE PRACTICAL

CUT THE CENTRED ENTRANCE

FRONT PANEL | 130 x 130mm CLEAR OPENING



CENTRED WIDTH CHECK: $135 + 130 + 135 = 400\text{mm}$

MARK + CUT

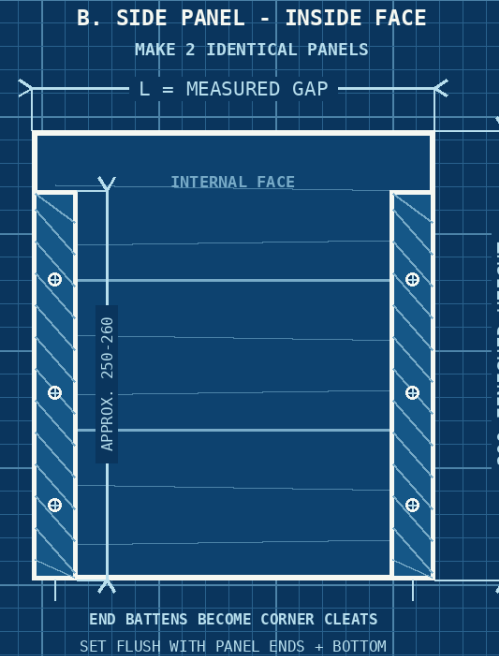
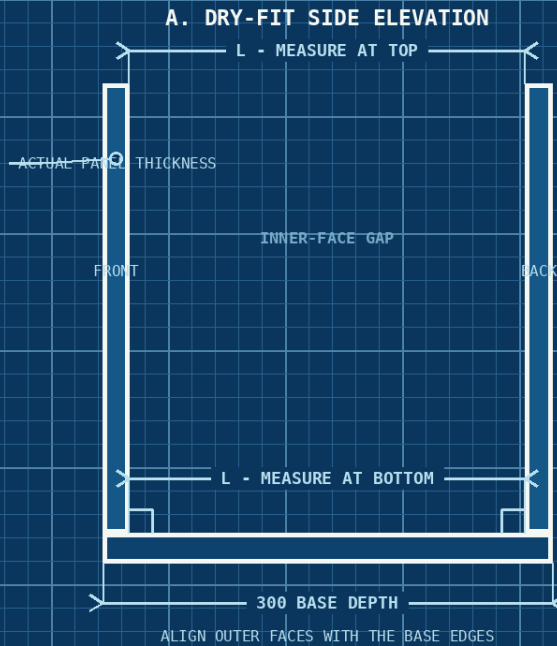
- 1 MARK BOTH SIDES + TOP WITH A SQUARE
- 2 DRILL INSIDE THE WASTE IF USING A JIGSAW
- 3 REMOVE WASTE, THEN SAND EVERY CUT EDGE

FINAL CHECK

- [] OPENING IS 130 x 130mm CLEAR
- [] 135mm REMAINS ON EACH SIDE
- [] 130mm SQUARE TEMPLATE PASSES THROUGH

MEASURE + BUILD THE SIDE PANELS

DRY-FIT THE FRONT + BACK | MAKE 2 IDENTICAL SIDES



SIDE LENGTH L = THE ACTUAL GAP BETWEEN THE ASSEMBLED INNER FACES
DO NOT ASSUME A FIXED LENGTH OR CALCULATE FROM AN ASSUMED PALLET-BOARD THICKNESS

MEASURE FIRST

- 1 STAND FRONT + BACK IN FINAL BASE POSITIONS
- 2 CHECK BOTH PANELS ARE VERTICAL
- 3 MEASURE BETWEEN INNER FACES AT THE TOP
- 4 REPEAT JUST ABOVE THE BASE
- 5 CORRECT ALIGNMENT UNTIL BOTH READINGS MATCH
- 6 RECORD THE MATCHING GAP AS L

MEASURE THE ASSEMBLY - NOT THE DRAWING

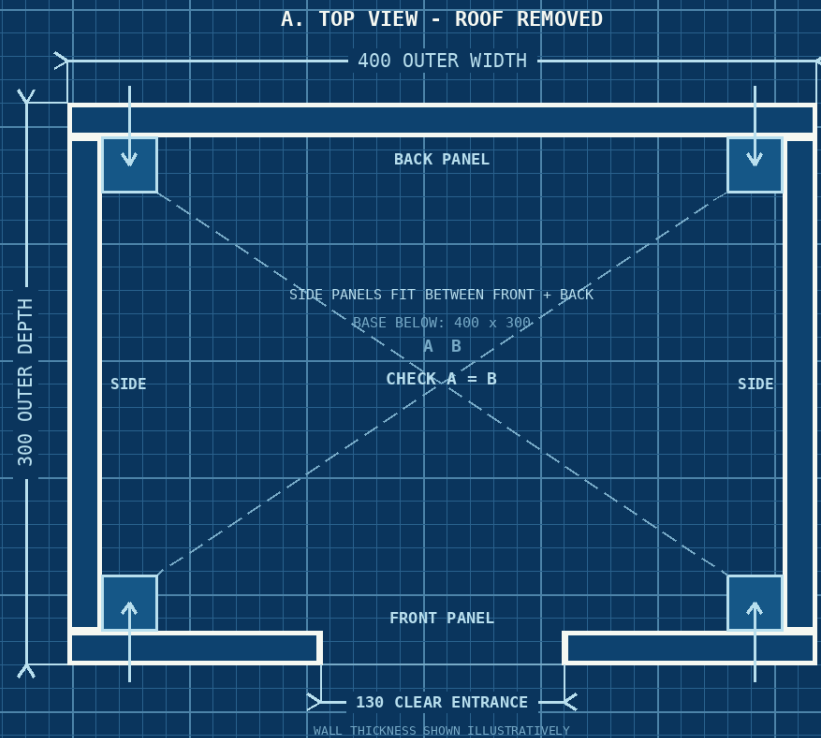
BUILD TWO SIDE PANELS

- [] FINISHED SIZE: L x 300mm
- [] BOTH SIDE PANELS ARE IDENTICAL
- [] TWO END BATTENS ON EACH INTERNAL FACE
- [] BATTENS FLUSH WITH ENDS + BOTTOM
- [] PANELS CHECKED WITH A SQUARE

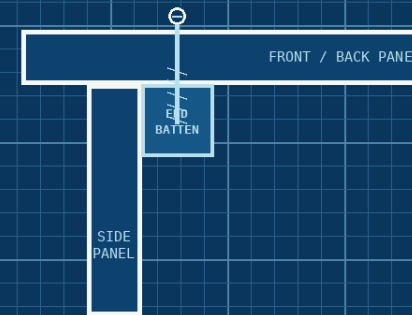
3 BOARDS SHOWN AS AN EXAMPLE
USE ENOUGH L-LONG BOARDS TO REACH 300mm, THEN TRIM SQUARE

ASSEMBLE THE MAIN CHAMBER

ROOF REMOVED | SQUARE, CLAMP, PILOT-DRILL + FIX

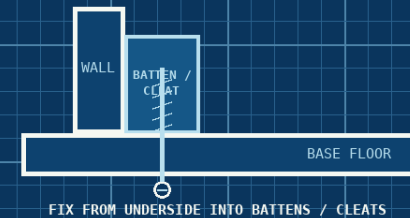


B. CORNER FIXING - TOP VIEW



PILOT-DRILL NEAR BOARD ENDS
FIX FRONT + BACK INTO THE END BATTENS

C. FLOOR FIXING - SECTION



SQUARE + CLAMP THE WALLS BEFORE DRILLING OR INSERTING ANY FIXINGS

ASSEMBLY ORDER

- 1 FIT BOTH SIDES BETWEEN FRONT + BACK
- 2 ALIGN ALL BOTTOM EDGES EVENLY ON THE BASE
- 3 CLAMP, CHECK SQUARE + COMPARE DIAGONALS
- 4 PILOT-DRILL FRONT + BACK NEAR BOARD ENDS
- 5 FIX INTO THE SIDE-PANEL END BATTENS
- 6 SECURE THE FLOOR FROM UNDERSIDE

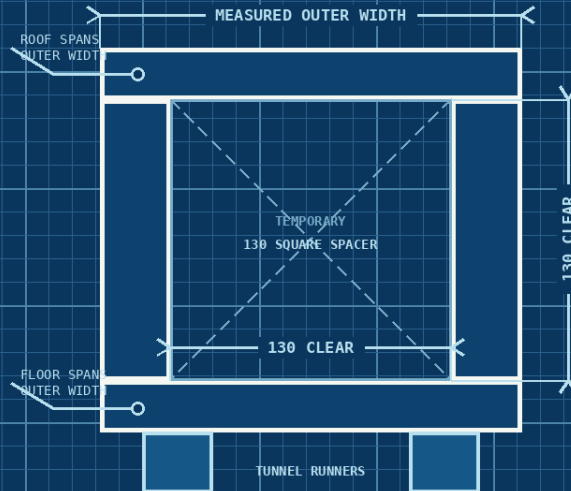
FINAL INSPECTION

- [] OUTER SHELL REMAINS 400 x 300
 - [] WALLS ARE SQUARE + 300mm HIGH
 - [] ENTRANCE REMAINS 130 x 130mm CLEAR
 - [] NO EXPOSED SCREW POINTS OR METAL
 - [] NO SHARP EDGES OR SPLINTERS INSIDE
- CORRECT ANY MISALIGNMENT BEFORE CONTINUING

BUILD + ATTACH THE ENTRANCE TUNNEL

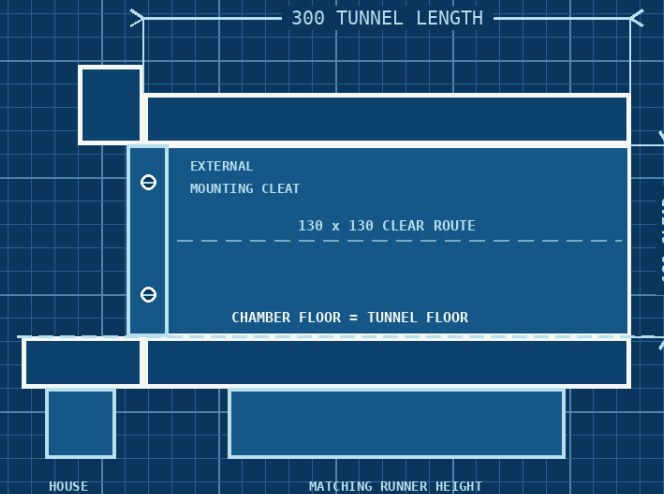
300 LONG | 130 x 130 CLEAR ROUTE | LEVEL FLOORS

A. TUNNEL CROSS-SECTION



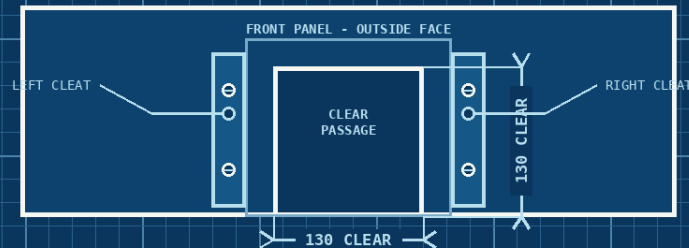
SIDE PIECES: 300 x 130 EACH
RUNNER HEIGHT MUST MATCH THE HOUSE RUNNERS

B. LENGTH + FLOOR ALIGNMENT



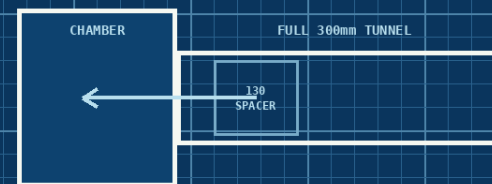
DO NOT CREATE A STEP AT THE ENTRANCE

C. EXTERNAL ATTACHMENT



ALL CLEATS + FIXINGS REMAIN OUTSIDE THE CLEAR ROUTE

D. FINAL SPACER CHECK



PASS THE SPACER THROUGH AFTER FIXING
NO NARROWING • NO PROTRUDING SCREWS

ASSEMBLE AROUND THE 130mm SPACER • REMOVE IT ONLY AFTER THE TUNNEL IS FIXED

BUILD ORDER

- 1 SIDES + SPACER
- 2 ROOF + FLOOR
- 3 MATCH RUNNERS
- 4 ALIGN + CLEAT
- 5 PASS SPACER THROUGH THE FINISHED ROUTE

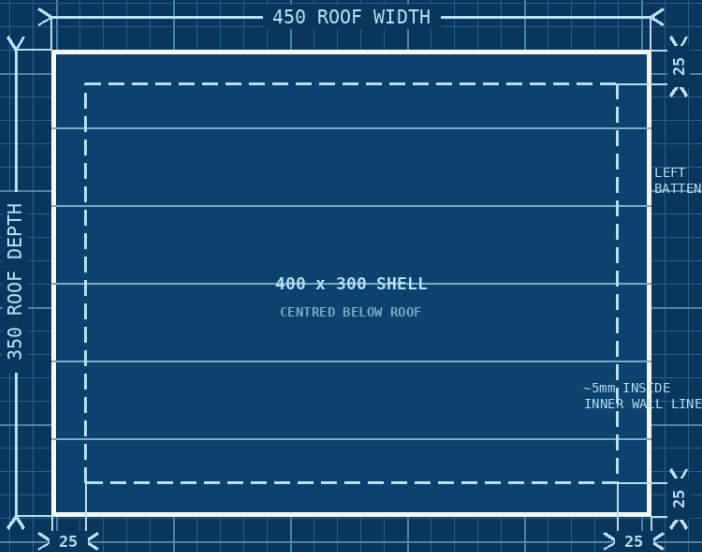
FINAL CHECKS

- [] FLOOR LEVEL
- [] 300 LONG
- [] 130 x 130 CLEAR THROUGHOUT
- [] FIXINGS OUTSIDE THE PASSAGE

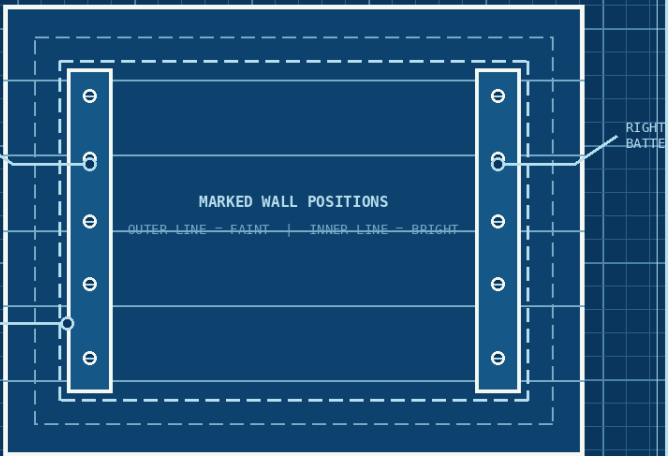
MAKE THE REMOVABLE ROOF

450 x 350 ROOF | 25 NOMINAL OVERHANG | TWO UNDERSIDE BATTENS

A. TOP VIEW - ROOF ON SHELL



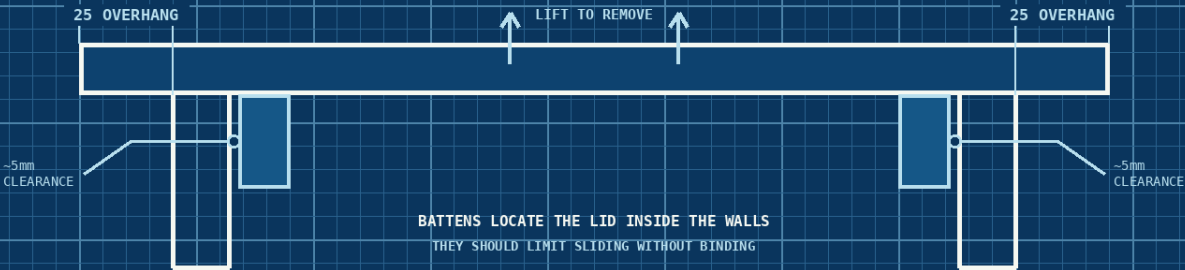
B. UNDERSIDE VIEW



CUT BATTEN LENGTH FROM THE ASSEMBLED SHELL
ALLOW CLEARANCE AT BOTH ENDS • DO NOT FORCE THE FIT
BATTENS RUN PERPENDICULAR TO THE ROOF BOARDS

25mm NOMINAL OVERHANG ON ALL FOUR SIDES
CENTRE THE ROOF BEFORE MARKING THE WALLS BELOW

C. FITTED ROOF - CROSS-SECTION



DO NOT SCREW OR NAIL THE ROOF TO THE WALLS • IT MUST REMAIN REMOVABLE

FIT + TEST

- 1 CENTRE ROOF + MARK WALLS UNDERNEATH
- 2 FIT BATTENS ~5mm INSIDE • TEST REPEATEDLY
- 3 ADJUST UNTIL THE LID LIFTS WITHOUT BINDING

FINAL CHECKS

- [] EVEN OVERHANG [] DOES NOT ROCK
- [] RESISTS SLIDING [] LIFTS FREELY
- [] NO FIXINGS CONNECT ROOF TO WALLS