

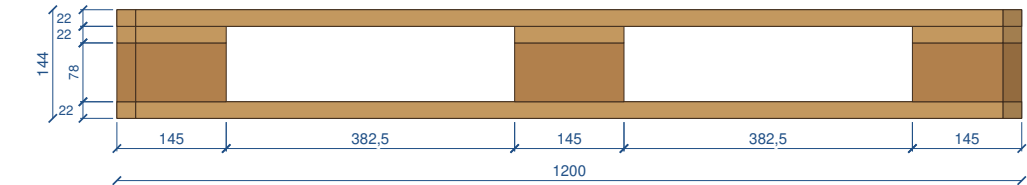
Pallet hut — Euro pallet, pallet types, materials

Cabaña de palés — palé europeo, tipos de palé, materiales

All dimensions in mm · Todas las cotas en mm

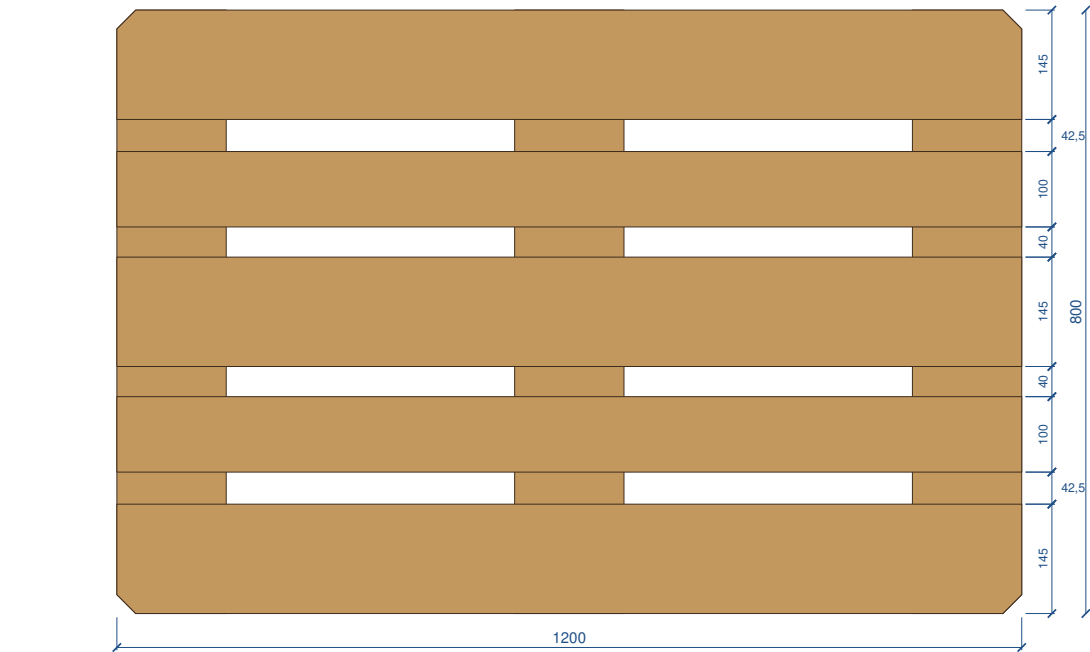
Euro pallet EPAL — side view · 1:10

Palé europeo EPAL — vista lateral



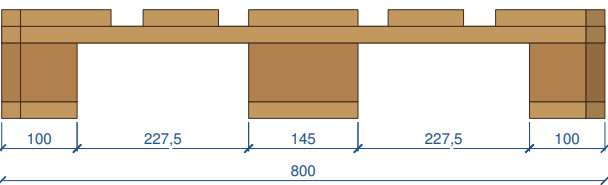
Top view · 1:10

Vista superior



End view · 1:10

Vista frontal



One EPAL pallet · Un palé EPAL

5 deck boards 1200×145×22 (3×) and 1200×100×22 (2×)
5 tablas superiores

3 cross boards 800×145×22
3 travesaños

9 blocks ×78 high: 6× 145×100, 3× 145×145
9 tacos de 78: 6× 145×100, 3× 145×145

3 bottom boards 1200×22: 2× 100 wide, 1× 145 wide
3 tablas inferiores

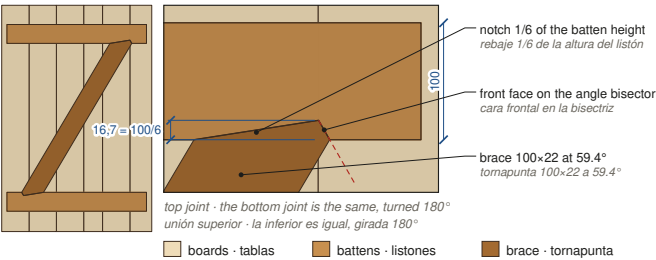
Height 22 + 78 + 22 + 22 = 144 · weight ≈ 25 kg
Altura 144 · peso ≈ 25 kg

“Feet” = blocks + bottom board (removed on roof pallets)
“Pies” = tacos + tabla inferior

Gap strip: rip a 145 board into 3, a 100 board into 2
Listón: cortar tabla de 145 en 3, de 100 en 2

Door seen from inside: Z-brace with step joints

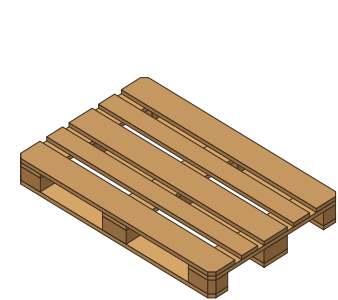
Puerta vista desde dentro: Z con embarbillado



Pallet types used

Tipos de palé utilizados

A 6×

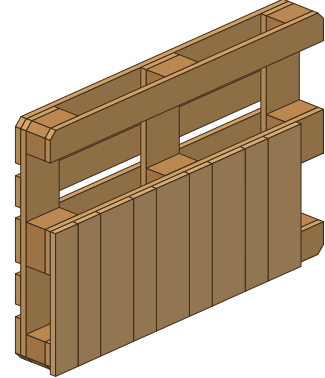


Floor

Suelo

full pallet, deck up
palé completo, tablas arriba

B 4×

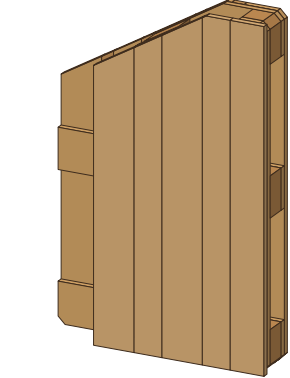


Side wall (inside view)

Pared lateral (interior)

lying, deck outside, inner boards
tumbado, tablas fuera, tablas interiores

C 4×

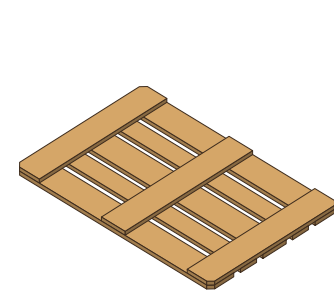


Gable (inside view)

Hastial (interior)

corner feet off, top cut 30.7°
sin pies de esquina, corte inclinado

D 8×

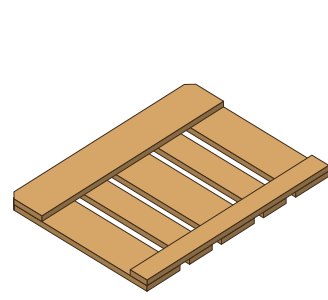


Roof, shown upside down

Cubierta, boca abajo

feet removed
sin pies

E 4×



Half roof pallet 600

Medio palé de cubierta

from 2 pallets, feet removed
de 2 palés, sin pies

Bill of materials

Lista de materiales

Item · Elemento	Qty	Size / notes
Pallets EPAL 1200×800×144 · Palés EPAL		
A Floor pallets palés de suelo	6	2 × 3, deck up
B Side-wall pallets palés de pared lateral	4	lying on long edge, deck outside
C Gable pallets palés de hastial	4	corner feet off, top cut 30.7°
D Roof pallets palés de cubierta	8	feet removed
E Half roof pallets 600 medios palés	4	from 2 pallets, feet removed
Pallet slices 78 wide beside the window tiras de palé junto a la ventana	2	from 1 pallet
F Pallets to dismantle palés para desmontar	≈10	boards for connectors, linings, shelves, door
Boards from pallets · Tablas de palé		
Floor connectors 1200×145, under the deck tablas de unión del suelo	8	4 lines × 2, beside cross boards
Gap strips ≈42×22 (1200 / 600) listones de relleno	20 + 40	floor 12+24, walls 8+16; + 16 × 1200 gables
Filler boards 105.5×22 on rafters 1, 4, white tablas de relleno, blancas	8	4 × 800 + 4 × 596 (2 per rafter side)
Edge boards: 1178×144 door, 1200×62 window tablas de canto	2 + 2	ripped, inside flush with the lining
Side-wall inner boards 472.5 tablas interiores laterales	36	vertical, 145/100 wide
Gable inner boards ≤1200 tablas interiores hastiales	20	vertical, top cut to slope
Shelf boards 1 and 2, 144 wide (ripped) estantes 1 y 2	4 + 4	600 · 1200 · 600, shelf 1 notched
Corner fillers 100×22 on edge tabilllas de esquina	8	4 corners × 2, flush with the side wall
Corner lining boards 145, notched tablas de esquina del forro	4	close shelf bay and rafter gap
Rat-stop boards on edge ≈26–39 high tablas anti-ratas	10	4×122, 6×382
Gable closures, per opening cierres de hastial	×2	3 vert. + 2 outer, 2 triangles, 2 helpers, 2 inner
Door: boards 1200 + battens + brace puerta	6+2+1	leaf 796×1200, Z-brace with step joints
Lintels: base board + pallet runner dinteles: tabla + patín	2 + 2	920; runner from gable feet
Threshold 756 · head board 800 (both 144) · sill 556×62 umbral · cabecero · alféizar	1+1+1	head board rests on the edge boards
Window, outside: reveal boards 1178×44 · head board 644×44 vano exterior: tablas · cabecero	2 + 1	close the slices, hold the frame
Roof gap fillers ≈40×22×166 · ridge wedges rellenos de rendija · cuñas	28 + 2	above both gables (mice)
Chamfer plugs (offcuts) tapones de chaffán (retales)	12	floor 2, wall joints 2, corners 8
Timber · Madera		
Ridge purlin 120×120 correa de cumbrera	1	2400 long
Rafters 50×50 cabios	8	1396 long, horizontal foot cut
Roofing · Cubierta		
PVC sheet 1.2 mm, 2 m wide lámina de PVC 1,2 mm	2	≈3.1 m long, overlap 630 at the ridge
Reed bundles Ø150, Arundo donax haces de caña	42	21 per side, ≈1.7–1.9 m
Binding canes Ø30 + wire cañas de atado + alambre	4	≈3.2 m, 2 per side
Other · Otros		
Old window · strap hinges · handle ventana · bisagras de pala · tirador	1+2+1	window ≈644×1200, hinges ≈480
Screws 5×80 / 4×50, nails, staples tornillos, clavos, grapas	—	as needed

Total: 25 pallets (incl. slices) + ≈10 dismantled ≈ 35 · Total: 25 palés + ≈10 desmontados ≈ 35

Pallet hut · 2.40 × 2.40 m

Cabaña de palés · 2,40 × 2,40 m

EPAL 1200×800×144 · roof pitch 30.7° · reed: Arundo donax

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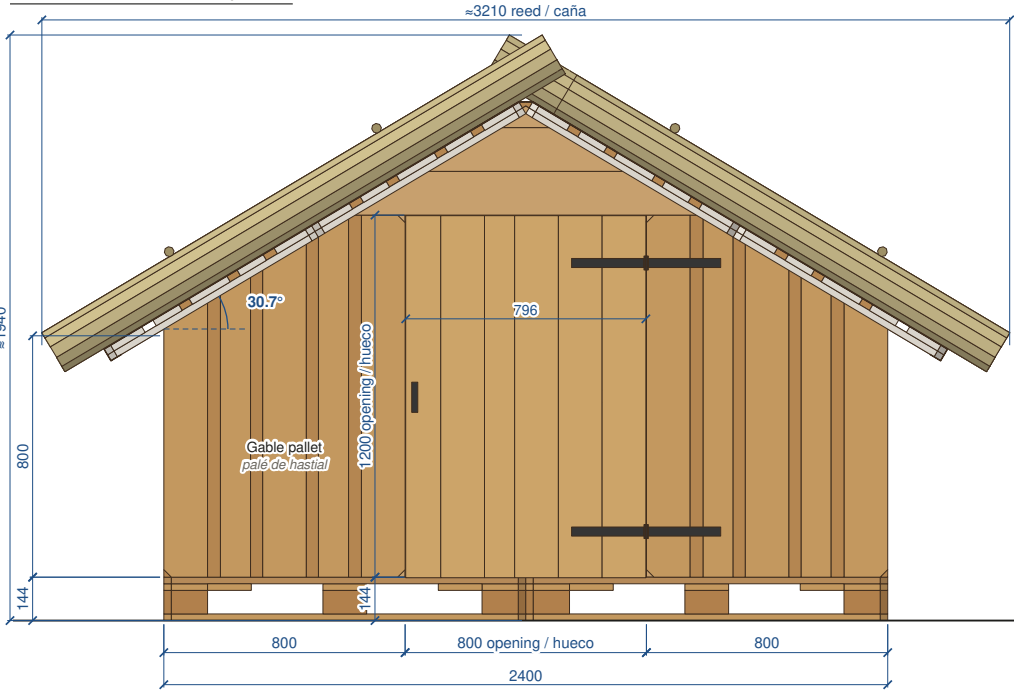
Pallet hut — plans, section and details

Cabaña de palés — alzados, sección y detalles

All dimensions in mm · Todas las cotas en mm

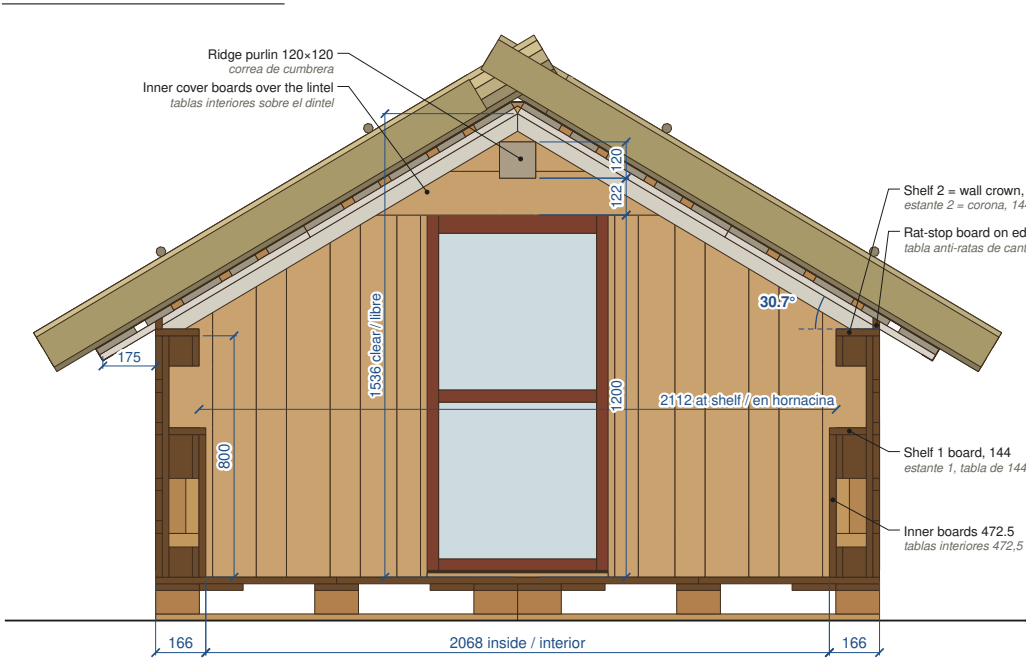
Outside view, door side · 1:25

Vista exterior, lado de la puerta



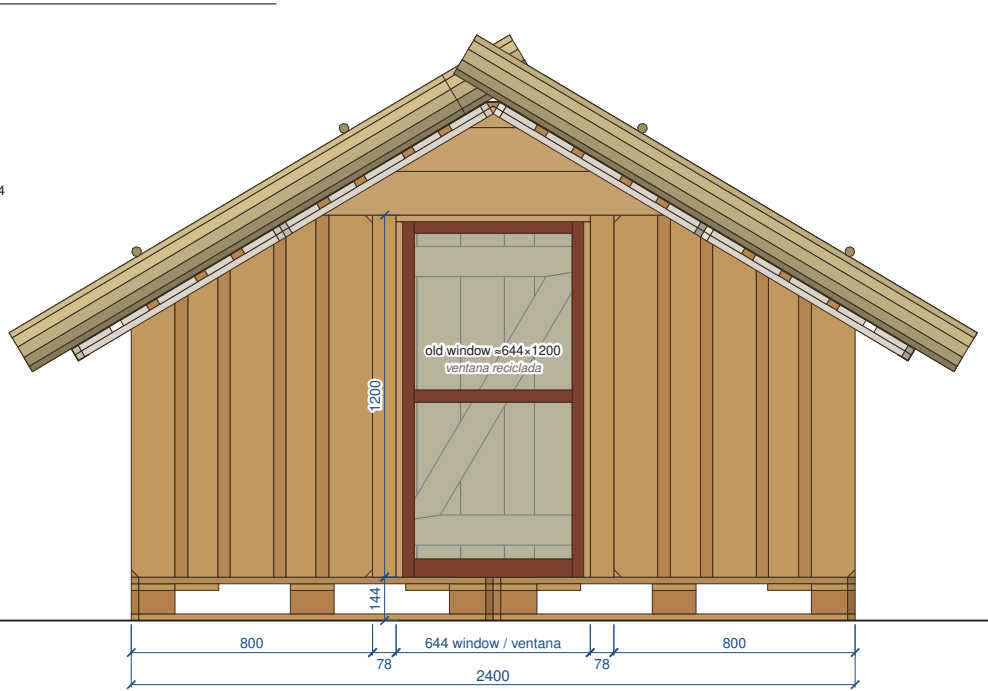
Inside view towards the window · 1:25

Vista interior hacia la ventana



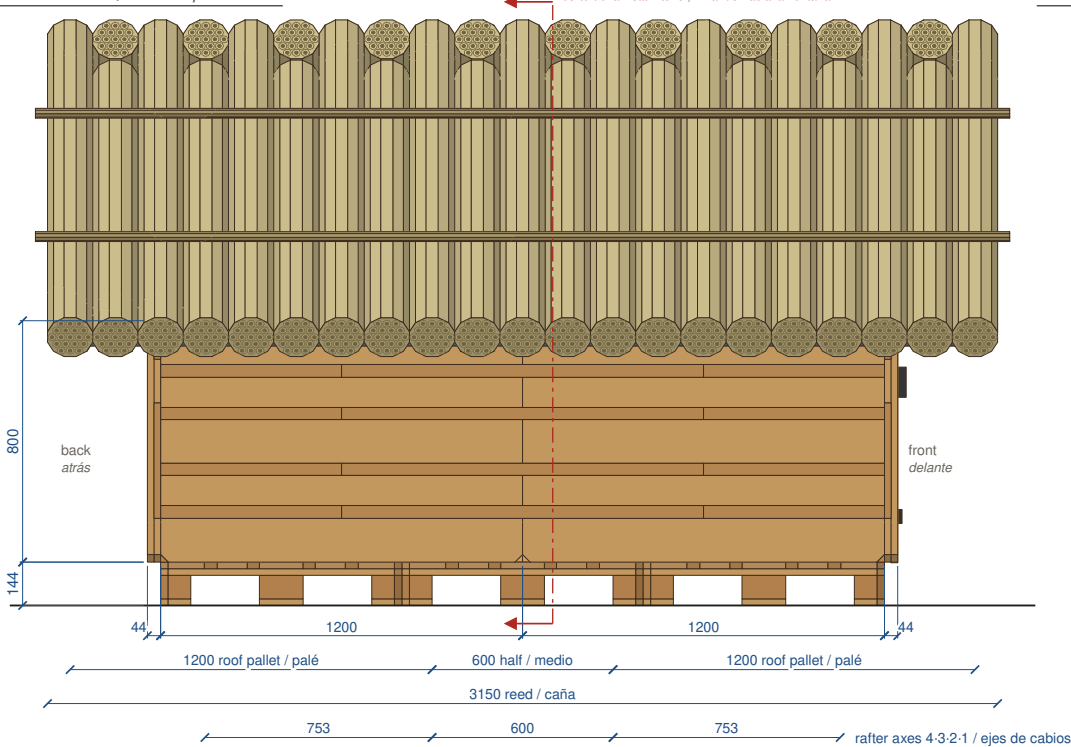
Outside view, window side · 1:25

Vista exterior, lado de la ventana



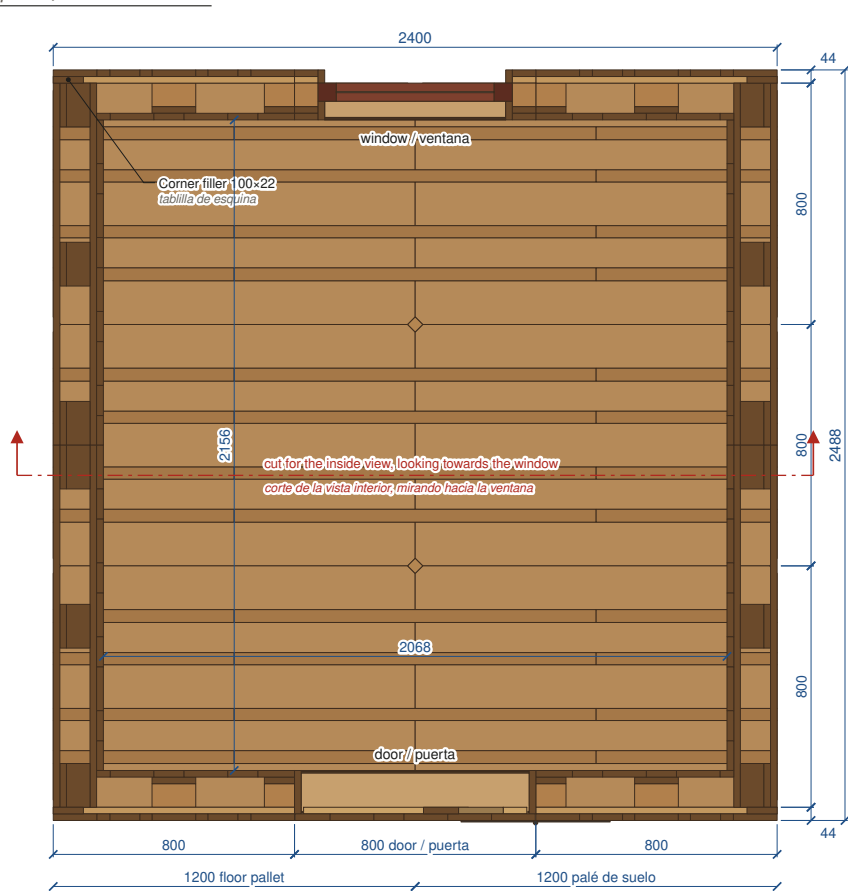
Outside view, left side · 1:25

Vista exterior, lado izquierdo



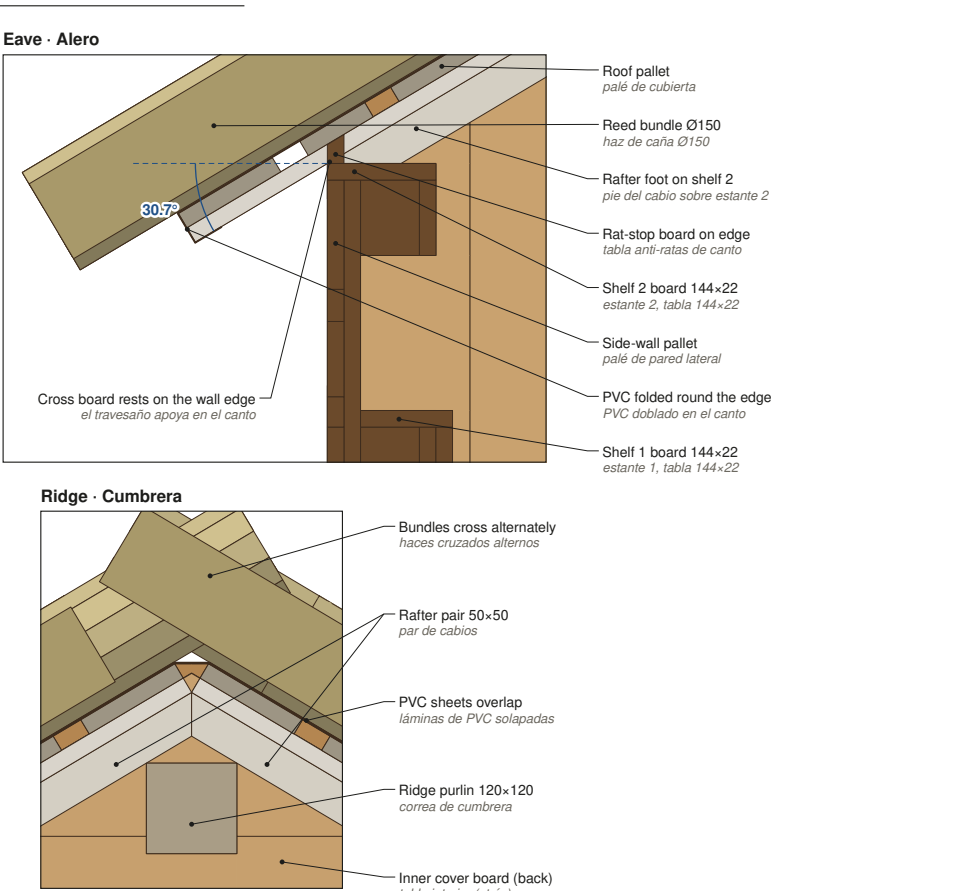
Top view, cut at 600 height · 1:25

Vista superior, cortada a 600 de altura



Details of the inside view · 1:10

Detalles de la vista interior



• Pitch: roof pallets rest on the outer edge of shelf 2 (966), rafters lean on the purlin (1466–1586): 30.7°, clear height at ridge 1536.
Pendiente: palés sobre el canto exterior del estante 2 (966), cabios apoyados en la correa: 30,7°, altura libre 1536.

• Roof per side: 2 rows of pallet + half pallet + pallet (3000 long); joints on rafters 2 and 3, rafters 1 and 4 against the gables.
Cubierta por lado: 2 filas de palé + medio palé + palé (3000); juntas sobre cabios 2 y 3, cabios 1 y 4 contra los hastiales.

• Above door and window: outside 3 vertical boards + 2 closing boards, inside wedge boards + 2 cover boards. Window =644×1200 between two pallet slices.
Sobre puerta y ventana: fuera 3 tablas verticales + 2 de cierre, dentro cuñas + 2 tablas. Ventana =644×1200 entre dos tiras de palé.

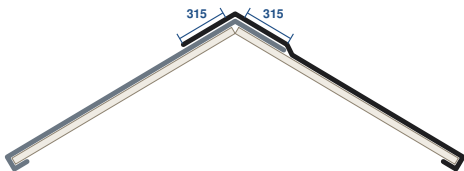
PVC sheets, schematic

Láminas de PVC, esquema

2 sheets 2 m wide, parallel to the ridge;
sheet 2 overlaps sheet 1 by 2 × 315.

grey: sheet 1 (from the left eave)
black: sheet 2 (from the right eave), on top

Thickness exaggerated · espesor exagerado



Pallet hut · 2.40 × 2.40 m

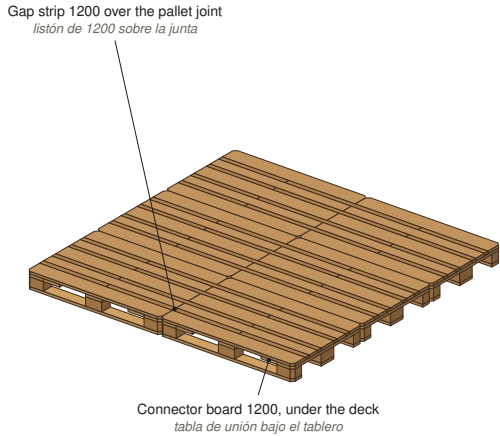
Cabaña de palés · 2,40 × 2,40 m

EPAL 1200×800×144 · roof pitch 30.7° · reed: Arundo donax

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1 Floor

Suelo

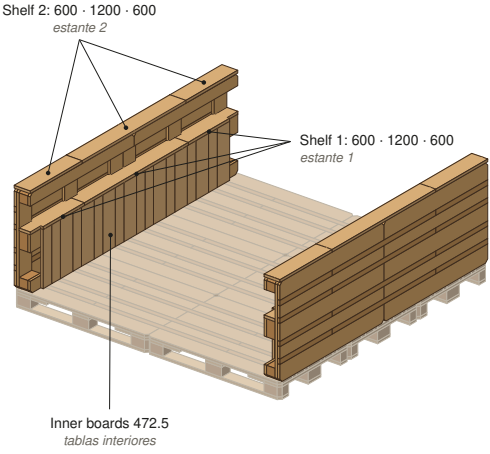


Lay 6 pallets 2 × 3 = 2400 × 2400, deck up, on level ground. Join each row of 3 pallets from below: 2 lines of two 1200 boards, nailed under the deck beside the cross boards. Close the deck gaps: a 1200 strip over the joint of the two pallets, 600 strips at the ends.

Colocar 6 palés 2 × 3 = 2400 × 2400, tablas arriba, en suelo nivelado. Unir cada fila de 3 palés por debajo con 2 líneas de dos tablas de 1200, clavadas bajo el tablero junto a los travesaños. Rendijas: listón de 1200 sobre la junta, de 600 en los extremos.

2 Side walls

Paredes laterales

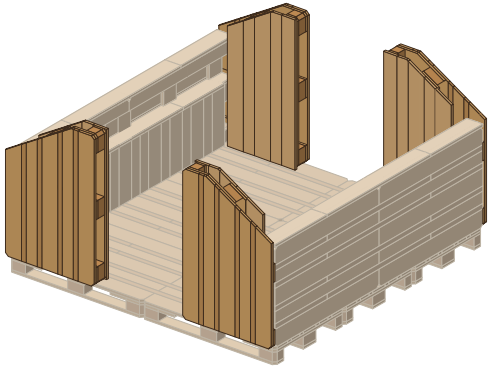


Per side 2 pallets lying on the long edge, deck outside. Outside gap strips: 1200 over the joint, 600 at the ends. Inside, vertical boards 472.5 over the lower bay. Shelf 1: boards ripped to 144 on the middle feet, reaching back to the deck, notched at the cross boards. Shelf 2: boards ripped to 144 on the top feet, covering the wall crown. Both 600 · 1200 · 600.

Por lado 2 palés tumbados, tablas fuera. Listones fuera: 1200 sobre la junta, 600 en los extremos. Dentro tablas verticales de 472.5. Estante 1: tablas de 144 sobre los pies centrales, entalladas en los travesaños. Estante 2: tablas de 144 sobre los pies superiores. Ambos 600 · 1200 · 600.

3 Gables

Hastiales

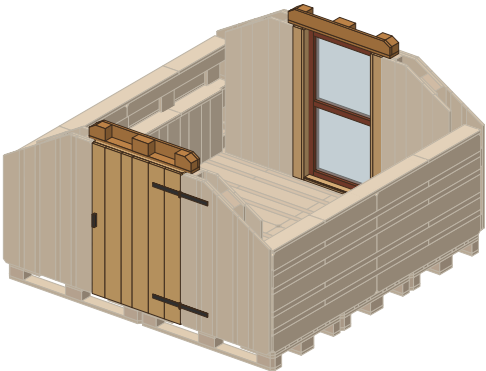


2 upright pallets per gable beside the 800 opening, top cut to 30.7°, column of feet next to the side wall removed. Inside, vertical boards 145 and 100 wide, only inner deck boards without chamfers. Door and window with their frames follow in step 4.

2 palés de pie por hastial junto al hueco de 800, cortados a 30,7°, sin la fila de pies junto a la pared. Dentro tablas verticales de 145 y 100, solo tablas interiores sin chafilán. Puerta y ventana con sus marcos en el paso 4.

4 Door, window, lintels

Puerta, ventana, dinteles

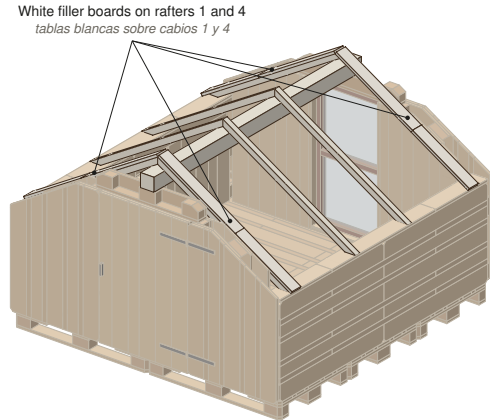


Door leaf 796 × 1200 with a Z-brace (sheet 1), hinged right, opening outward. Door frame of 144 boards, inside flush: edge boards, threshold (edges rounded), head board; the door closes on this 22 rebate all round. Window ≈644 × 1200 on the floor pallet between two pallet slices 78 wide, 44 set back, held by outer reveal boards with head board and by inner edge boards 62 with sill. Lintel: base board, then a pallet runner on its side, blocks outside.

Puerta 796 × 1200 con Z (hoja 1), bisagras a la derecha, abre hacia fuera. Marco de tablas de 144, enrasado por dentro: tablas de canto, umbral (cantos redondeados), cabecero; la puerta cierra contra este tope. Ventana ≈644 × 1200 sobre el palé del suelo entre dos tiras de palé de 78, retranqueada 44, entre tablas exteriores con cabecero y tablas de canto con alféizar. Dintel: tabla base y patín de palé de canto.

5 Ridge purlin and rafters

Correa y cabios

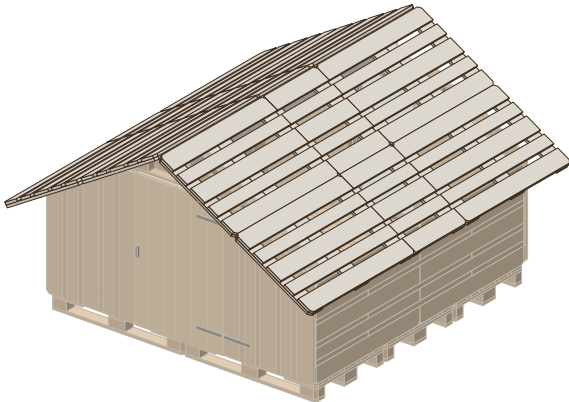


Ridge purlin 120 × 120 × 2400 on the lintels, flush with the middle blocks. 4 rafter pairs 50 × 50 × 1396, foot cut horizontally to stand on shelf 2, axes 753 · 600 · 753. Rafters 1 and 4 against the gables, each with white filler boards 105.5 wide (800 + 596, butt-jointed) reaching the roof cross board.

Correa 120 × 120 × 2400 sobre los dinteles, enrasada con los tacos centrales. 4 pares de cabios 50 × 50 × 1396, con corte horizontal sobre el estante 2, ejes 753 · 600 · 753. Cabios 1 y 4 contra los hastiales, con tablas blancas de 105,5 (800 + 596, a tope) hasta el travesaño.

6 Roof pallets

Palés de cubierta

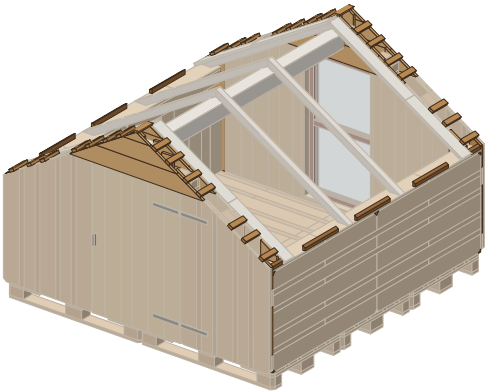


Per side 2 rows (2 × 800 down the slope), cross boards down, resting on the outer edge of shelf 2 and overhanging the wall by 175. Each row from front to back: pallet 1200, half pallet 600, pallet 1200. Joints on rafters 2 and 3. Screw down.

Por lado 2 filas (2 × 800), travesaños abajo, apoyadas en el canto exterior del estante 2, vuelo 175. Cada fila de delante a atrás: palé 1200, medio palé 600, palé 1200. Juntas sobre cabios 2 y 3.

7 Closing the gaps

Cerrar huecos



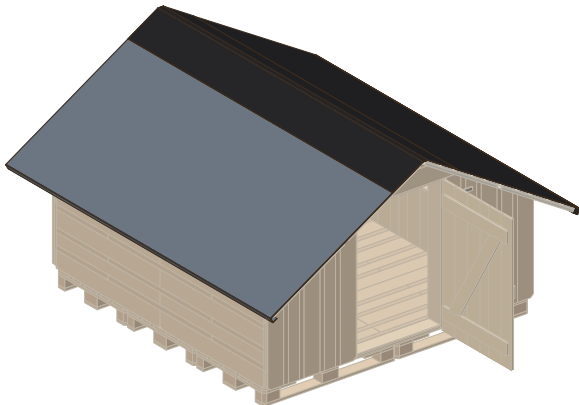
Rat-stop boards on edge (≈26–39, bevelled 30.7°) on shelf 2 between the roof cross boards. Above door and window: outside 3 vertical + 2 closing boards, inside 2 wedges, helpers, 2 cover boards. Corners: boards on edge between the gable cross boards, inside a notched wide lining board. Offcuts plug the chamfer holes (2 diamonds in the floor, 2 half diamonds at the wall joints, 8 quarters at the corners). Above both gables: fillers in the roof deck gaps and a wedge at the ridge.

Tablas anti-ratas de canto (≈26–39, biseladas) sobre el estante 2 entre travesaños. Sobre puerta y ventana: fuera 3 verticales + 2 de cierre, dentro 2 cuñas, tablillas, 2 tablas. Esquinas: tablillas de canto; dentro una tabla ancha entallada. Retales tapan los rombos de los chaflanes. Sobre los hastiales: rellenos en las rendijas del tablero y una cuña en la cumbre.

8 PVC sheets

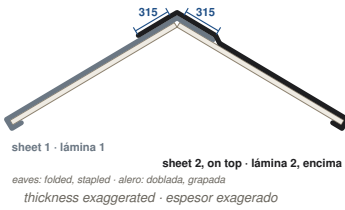
Láminas de PVC

seen from the front left · visto desde delante a la izquierda



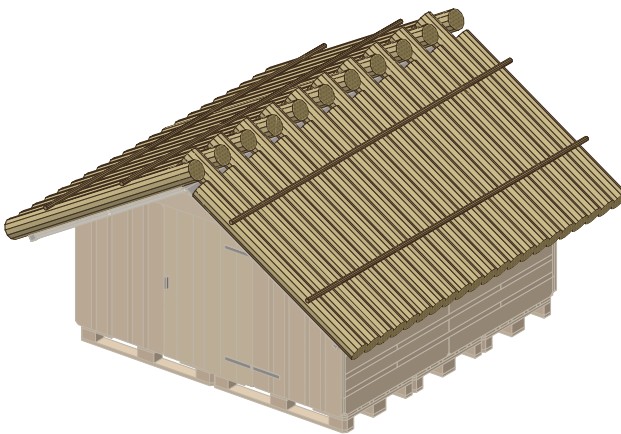
Two PVC sheets 2 m wide, 1.2 mm, parallel to the ridge. Sheet 1 starts at the left eave, sheet 2 at the right eave, each folded round the pallet edge and stapled underneath. Both run 315 over the ridge; sheet 2 lies on top, so they overlap by 630.

Dos láminas de PVC de 2 m y 1,2 mm. La 1 empieza en el alero izquierdo, la 2 en el derecho, dobladas en el canto y grapadas. Ambas pasan 315 sobre la cumbre; la 2 queda encima: solape de 630.



9 Reed bundles

Haces de caña



21 bundles Ø150 per side, side by side down the slope, 150 past the pallets at the eaves. At the ridge every second bundle runs 180 past and crosses the other side. Tie down with 2 binding canes per side and wire.

21 haces Ø150 por lado, juntos en la pendiente, 150 más allá de los palés. En la cumbre una de cada dos sobresale 180 y se cruza. Atar con 2 cañas por lado y alambre.

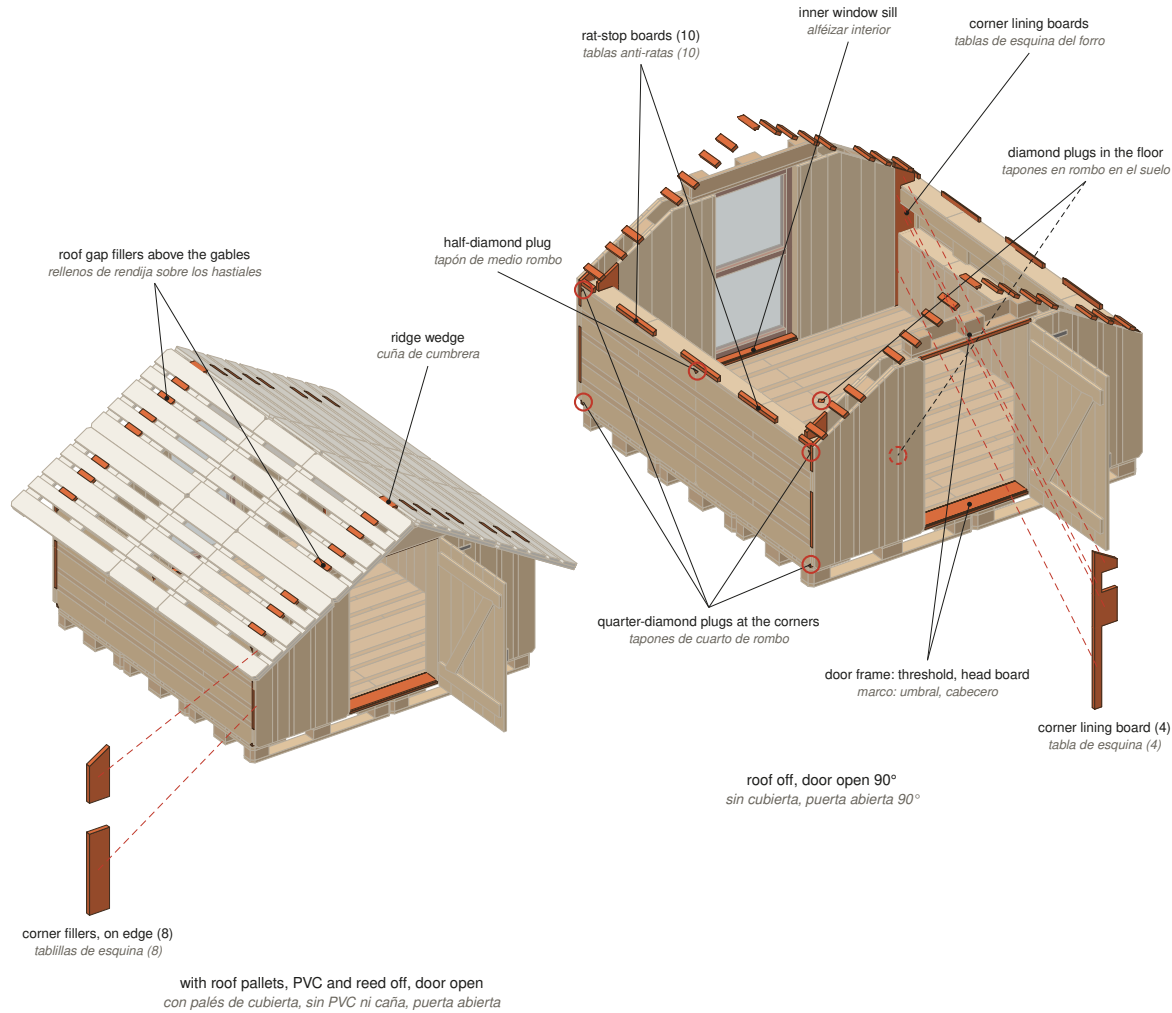
Pallet hut — details and mouse-proofing

Cabaña de palés — detalles y protección contra ratones

What keeps mice out

Lo que impide el paso a los ratones

orange: mouse-proofing parts
naranja: piezas contra ratones



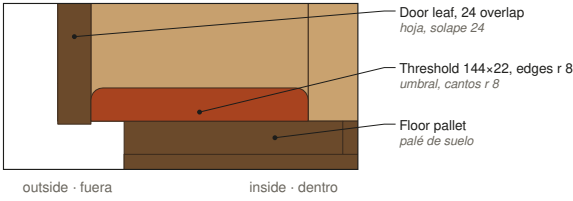
Mouse-proofing · notes

Protección contra ratones · notas

- Mice squeeze through gaps of about 6 mm. The door closes on a 22 rebate all round (edge boards, threshold, head board); the window sits between outer reveal boards with their head board and the inner edge boards, on the inner sill. Threshold edges are rounded so nobody trips.
Los ratones pasan por rendijas de unos 6 mm. La puerta cierra contra un tope de 22 en todo el contorno; la ventana entre las tablas exteriores del vano y las tablas de canto, sobre el alféizar. Cantos del umbral redondeados.
- EPAL corners are chamfered 25 mm. Plug the holes with offcuts: 2 diamonds in the floor, 2 half diamonds at the side-wall joints under shelf 2, 8 quarter diamonds at the side-wall ends (top and bottom).
Las esquinas EPAL tienen chafilanes de 25. Tapar con retales: 2 rombos en el suelo, 2 medios rombos en las juntas bajo el estante 2, 8 cuartos de rombo en los extremos.
- Lining, closures and shelves: use only inner deck boards (no chamfers). Outer deck boards only with the chamfered ends sawn off or ripped narrower, otherwise they leave holes.
Forro, cierres y estantes: usar solo tablas interiores (sin chafilán). Las exteriores solo cortando los extremos achafallanados o aserrándolas más estrechas.
- Roof: the deck gaps run under the PVC across both gables. Fill them right above the gables (28 fillers $\approx 40 \times 22 \times 166$) and wedge the V at the ridge (2 wedges) before laying the PVC.
Cubierta: las rendijas del tablero cruzan los hastiales bajo el PVC. Rellenarlas justo encima (28 rellenos) y acuñar la V de la cumbrera antes de colocar el PVC.
- Mouse probe (computer check of the model, 5 mm cubes, two passes: large spaces and small pockets from about 3 cm): without the parts on this sheet it found 41 passages into the room, the wall cavities and the hollows above door and window; with them: none. Real joints must still be tight: gaps under ≈ 10 mm are below its resolution.
Prueba del ratón (cubos de 5 mm, dos pasadas: espacios grandes y huecos pequeños desde 3 cm): sin las piezas de esta hoja encontró 41 pasos al interior, a las cámaras y a los huecos sobre puerta y ventana; con ellas, ninguno. En obra, juntas apretadas.

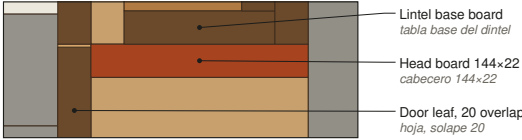
Door bottom: threshold

Puerta abajo: umbral · 1:5



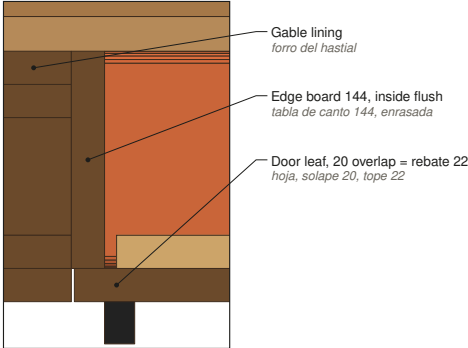
Door top: head board

Puerta arriba: cabecero · 1:5



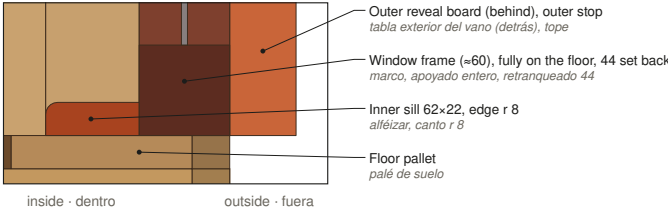
Door side: edge board, horizontal section seen from above

Lado: tabla de canto, corte horizontal visto desde arriba · 1:5



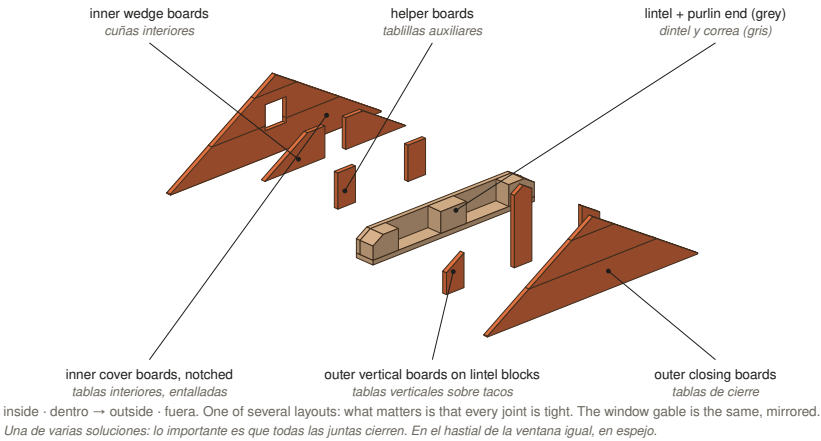
Window bottom: inner sill

Ventana abajo: alféizar interior · 1:5



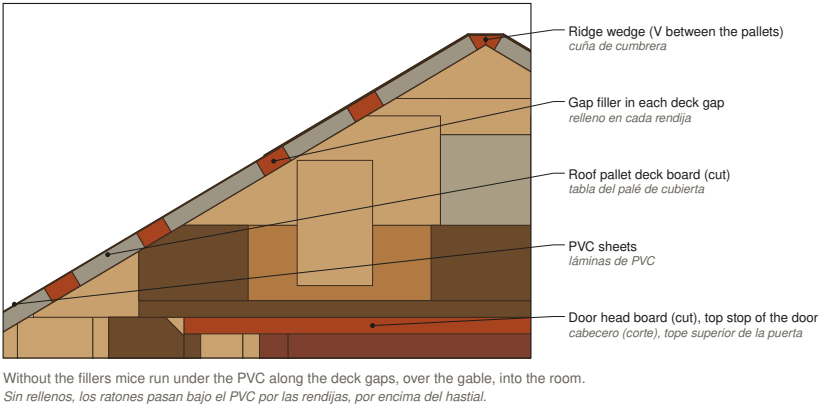
Filling above door and window, layers pulled apart

Relleno sobre puerta y ventana, capas separadas



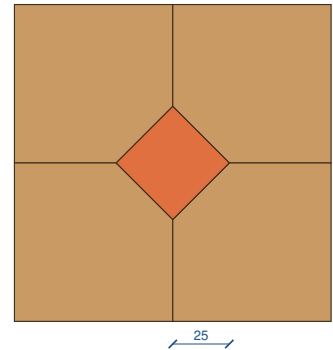
Roof above the gable, section in the gable

Cubierta sobre el hastial, corte en el hastial · 1:10



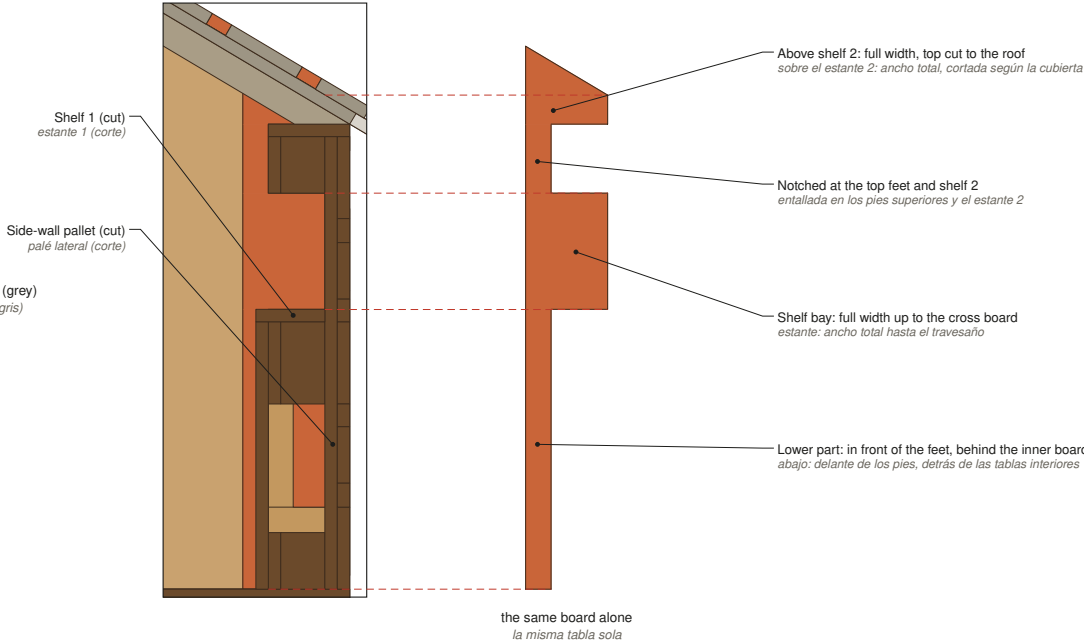
Chamfer holes: diamond plug

Huecos de los chafilanes: tapón en rombo · $\approx 1:3$



Corner lining board, seen from the room

Tabla de esquina, vista desde dentro · 1:12,5



Pallet hut · 2.40 × 2.40 m

Cabaña de palés · 2,40 × 2,40 m

EPAL 1200×800×144 · roof pitch 30.7° · reed: Arundo donax

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