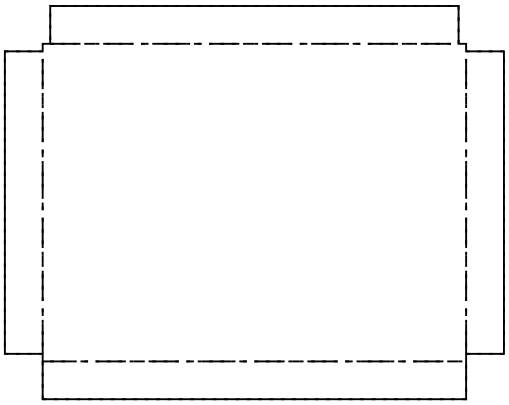
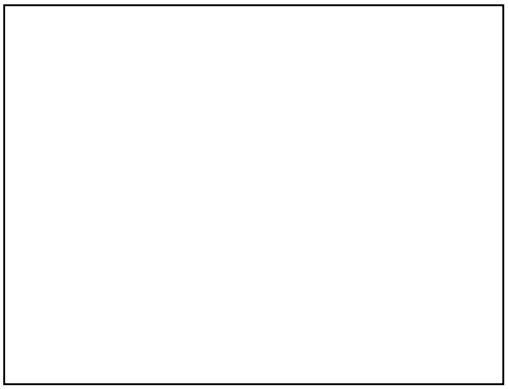
Raised Beach Hut

beach-hut / 1.0.0 / A4 / Template page 1

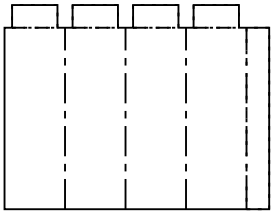
F | cut 1
66.00 x 52.00 mm



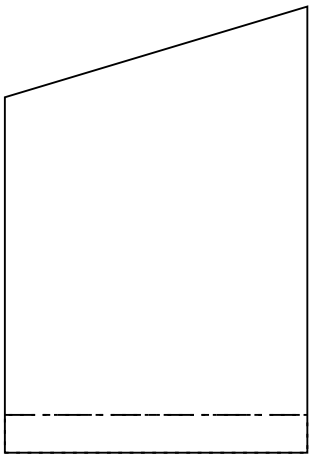
R | cut 1
66.00 x 50.11 mm



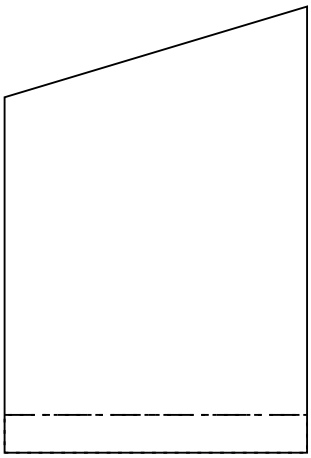
L1 | cut 1
35.00 x 27.00 mm



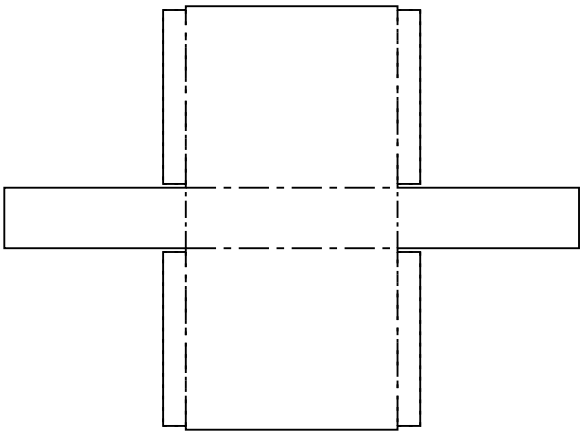
W1 | cut 1
40.00 x 59.00 mm



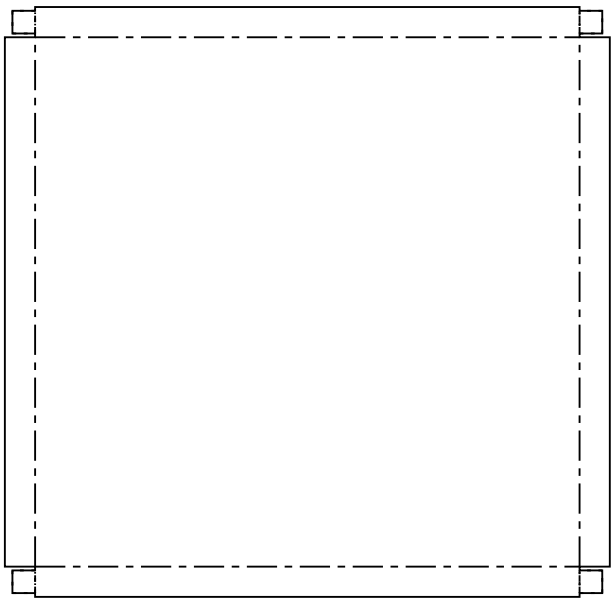
W2 | cut 1
40.00 x 59.00 mm



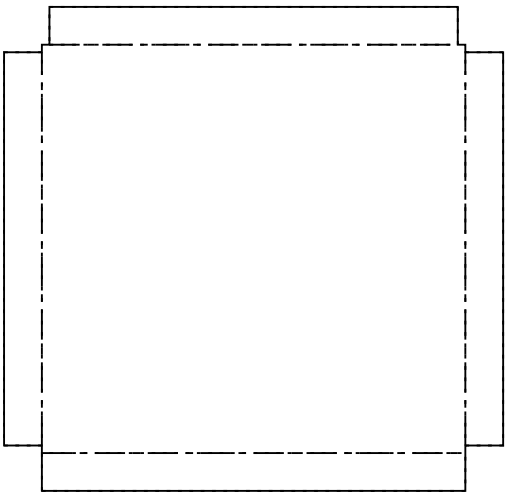
T3 | cut 1
76.00 x 56.00 mm



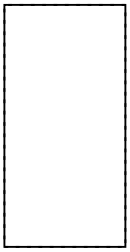
D | cut 1
80.00 x 78.00 mm



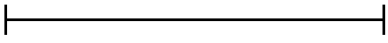
B | cut 1
66.00 x 64.00 mm



DOOR | cut 1
16.00 x 32.00 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue



50 mm calibration

Print at 100% / Actual size. Do not fit to page. Original paper craft template.

Raised Beach Hut

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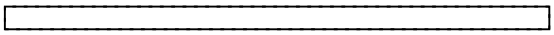
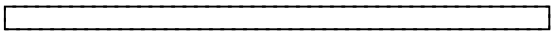
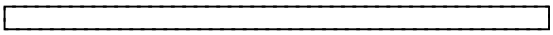
S6 | cut 1
72.00 x 3.00 mm



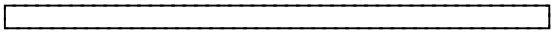
S4 | cut 1
72.00 x 3.00 mm



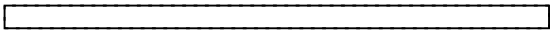
S5 | cut 1
72.00 x 3.00 mm



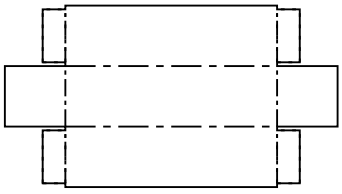
S2 | cut 1
72.00 x 3.00 mm



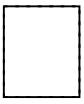
S3 | cut 1
72.00 x 3.00 mm



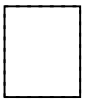
T1 | cut 1
44.00 x 24.00 mm



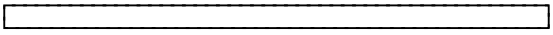
V1 | cut 1
10.00 x 12.00 mm



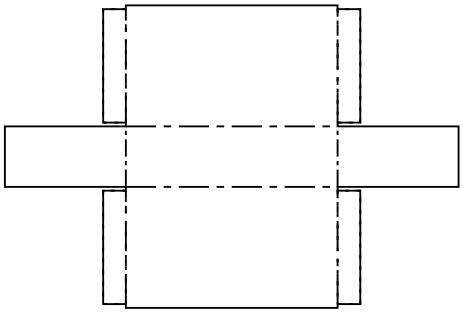
V2 | cut 1
10.00 x 12.00 mm



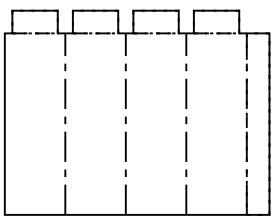
S1 | cut 1
72.00 x 3.00 mm



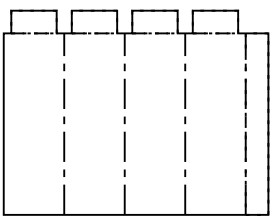
T2 | cut 1
60.00 x 40.00 mm



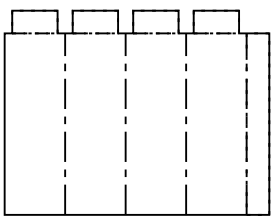
L2 | cut 1
35.00 x 27.00 mm



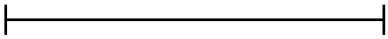
L3 | cut 1
35.00 x 27.00 mm



L4 | cut 1
35.00 x 27.00 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue



50 mm calibration

Print at 100% / Actual size. Do not fit to page. Original paper craft template.

Raised Beach Hut

beach-hut / 1.0.0 / A4 / Assembly instructions

Finished size: 72 x 94 x 79.2 mm

Materials: 200-240 gsm cardstock; Scissors or craft knife; Scoring tool and ruler; PVA glue

Original rigid-face nets with explicit corner, wall, roof and pier flanges. Every physical piece has its own ID.

Ideal zero-thickness folds; slats and facade overlays are shown 0.2 mm proud to distinguish laminations. Allow paper and glue thickness when dry-fitting; no stretching or hidden supports.

Decorative model only: slat gaps reveal the solid load-bearing deck; door and windows do not open. No wind or weight loading intended.

Physical printing, cutting and assembly remain pending. Generation only; additional screen review deferred.

Part inventory (cut each instance once):

L1: Square paper pier

L2: Square paper pier

L3: Square paper pier

L4: Square paper pier

D: Reinforced deck

S1: Porch deck slat

S2: Porch deck slat

S3: Porch deck slat

S4: Porch deck slat

S5: Porch deck slat

S6: Porch deck slat

T1: Stair box 1

T2: Stair box 2

T3: Stair box 3

F: Porch front wall

B: Rear wall

W1: Sloping side wall

W2: Sloping side wall

R: Single slope roof

DOOR: Door overlay

V1: Front window overlay

V2: Front window overlay

1. Cut and score [L1, L2, L3, L4, D, S1, S2, S3, S4, S5, S6, T1, T2, T3, F, B, W1, W2, R, DOOR, V1, V2]: Print at 100%; the ruler must measure 50 mm. Cut each numbered piece once. Score dashed folds before cutting small tabs. Use 200-240 gsm card. All dimensions below are mm.

Raised Beach Hut

beach-hut / 1.0.0 / A4 / Assembly instructions continued

2. Fold four paper piers [L1, L2, L3, L4]: L1-L4: fold the four 8 x 24 panels into an 8 mm square tube, turning each vertical crease 90 degrees. Glue the 3 mm end lap inside the first panel. Turn the four inset top flanges outward 90 degrees. Keep lower ends square on a flat table and let dry. No wooden legs are needed.

3. Stiffen the raised deck [D]: D: keep the 72 x 70 centre flat, fold all 4 mm skirts down 90 degrees. Turn the four 3 mm corner tabs inward and glue inside adjacent skirts. Dry square. Define x from the left deck edge and y from the front edge; the hut will occupy y=24 to 64.

4. Attach deck to piers [D, L1, L2, L3, L4]: With D upside down, glue each pier top flange to its underside. Pier footprints: L1 x=8..16,y=8..16; L2 x=56..64,y=8..16; L3 x=8..16,y=54..62; L4 x=56..64,y=54..62. The 3 mm outward flanges stay inside the deck rim. Stand all four feet level; deck top is nominally 24 above the table. Dry fully.

5. Lay the slatted porch [S1, S2, S3, S4, S5, S6]: Glue S1-S6 flat on the deck across its entire 72 mm width. Their front edges are at y=0,4,8,12,16,20 respectively. Each strip is 3 wide, leaving a 1 mm gap showing the continuous structural deck below. These are real separate laminated slats, not printed lines.

6. Make supported steps [T1, T2, T3]: T1-T3: fold the four sides down 90 degrees from each 28 x 8 tread. Turn corner tabs inward and glue inside the adjoining side walls. Leave bottoms open. Heights are 8,16,24 respectively. Dry on a level surface; each tread is supported on four walls.

7. Join the stair flight [T1, T2, T3, D]: Centre stairs across deck x=22..50. T1 occupies y=-24..-16, T2 y=-16..-8, T3 y=-8..0. Glue the touching vertical faces over their common 8 mm and 16 mm heights. Glue the upper 4 mm of T3 rear face against the front deck skirt. All stair feet rest on the table; the top tread meets the deck at height 24.

8. Decorate front wall [F, DOOR, V1, V2]: Glue DOOR on F with its lower edge at the wall base and its left edge 20 mm from the left wall edge. V1 and V2 are 10 x 12 overlays with left edges 6 and 40 mm from that edge and bottoms 22 mm above the wall base. Door and windows are decorative closed panels.

9. Erect the cabin [F, B, W1, W2, D]: Fold the 5 mm bottom flanges of F,B,W1,W2 inward 90 degrees. Glue to D: F spans x=8..64 at y=24; B spans x=8..64 at y=64. W1 is x=8 and W2 x=64, both spanning y=24..64. Front height is 42, rear height 54. Fold the side tabs of F and B inward 90 degrees and glue inside W1/W2. Keep all walls vertical and dry before roofing.

10. Fit the rising shed roof [R, F, B]: Tilt F and B top flanges inward to follow a roof rising 12 over 40 toward the rear: F flange turns 73.30 degrees from its upward wall extension; B turns 106.70 degrees. Dry-fit R with its 66 mm edge across the hut, overhanging each side by 5, front and rear by 4 horizontally. Glue underside to both 5 mm roof flanges; long edges rest on sloping side walls. Hold gently until set.