

Layered Hillside pop-up mechanism project

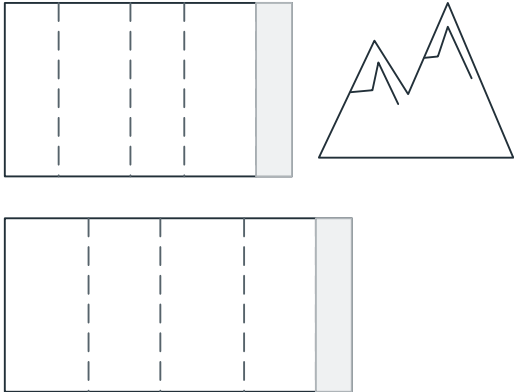
ex2-1197 / LETTER / Parts overview - NOT A CUTTING SHEET

USE THE FOLLOWING PATTERN SHEETS AT ACTUAL SIZE.

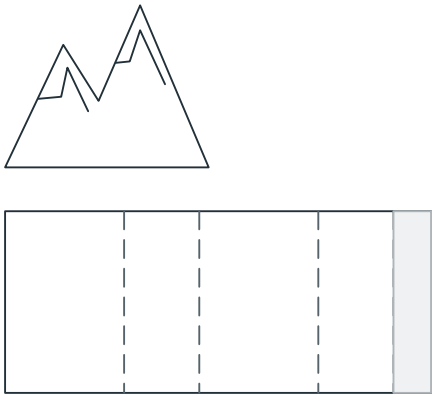
These miniature views identify the supplied patterns; they are deliberately reduced.



1. Pattern 1



2. Pattern 2



3. Pattern 3

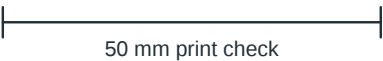


4. Pattern 4

4 pattern sheets supplied. Printed details are not cut lines unless explicitly marked.

Solid cut boundary / dashed score / shaded joining area. Read the full instructions.

Dry-fit the parts before gluing. Keep this overview beside the full-size pattern sheets.



Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

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ex2-1197 / LETTER / Pattern 1

Card base / 90 x 128 mm closed



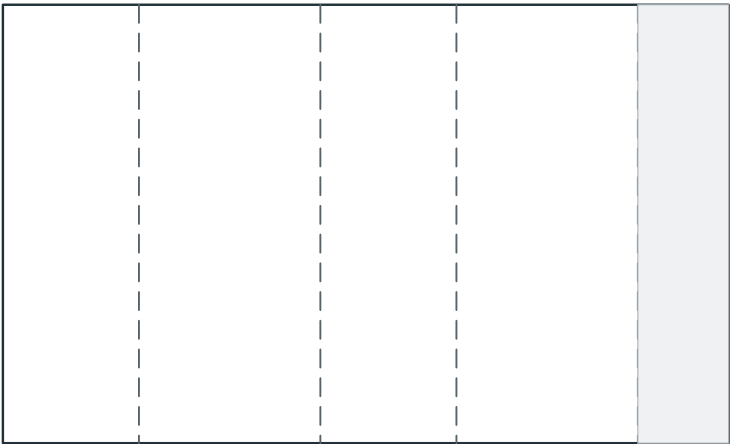
50 mm print check

Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

Layered Hillside pop-up mechanism project

ex2-1197 / LETTER / Pattern 2

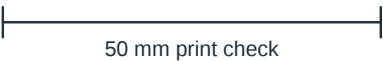
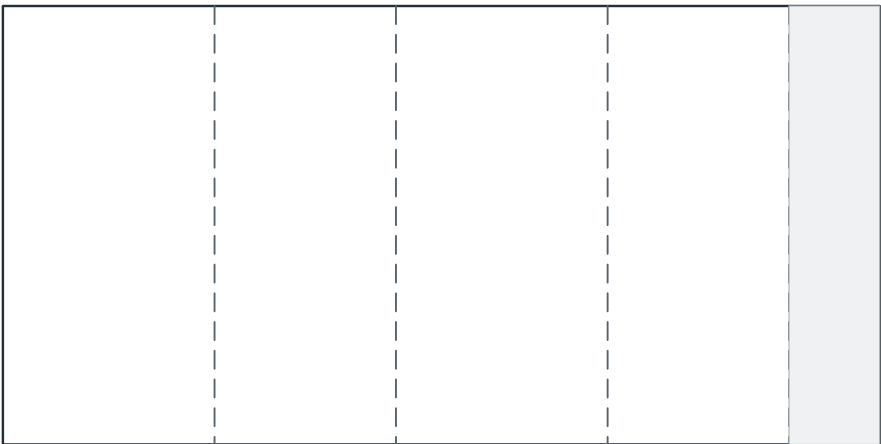
Box-step insert 1



Front decoration 1



Box-step insert 2



Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

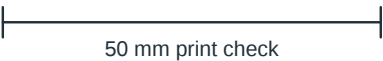
Layered Hillside pop-up mechanism project

ex2-1197 / LETTER / Pattern 3

Front decoration 2



Box-step insert 3



Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

Layered Hillside pop-up mechanism project

ex2-1197 / LETTER / Pattern 4

Front decoration 3



Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

Layered Hillside pop-up mechanism project

ex2-1197 / LETTER / Instructions

PURPOSE

Layered Hillside pop-up mechanism project developed as a measured original paper study. The packet provides the actual parts, joining or shaping marks, drawing dimensions and an assembly sequence. Print at actual size and dry-fit the parts before gluing.

DRAWING FACTS

- Card opens to 180 x 128 mm. Insert loops use equal opposite faces and 12 mm closing overlap.

MATERIALS

Plain 100 to 140 gsm paper for a first dimensional trial; approximately 160 to 220 gsm card only after confirming the folds. Use a ruler, suitable scissors, a blunt scoring tool and a small amount of paper adhesive. An adult should handle internal cuts, holes and small fasteners.

HOW TO USE THESE PAGES

1. Score the card center and all four loop hinges. Glue only the 12 mm overlap to close each rectangular loop.
2. Flatten each loop before fixing: glue one exterior face to one card half and the adjacent face to the other, meeting exactly at the card hinge.
3. Start with the shortest of the three loops and dry-fit each taller loop independently. Keep every loop centered on the card hinge and do not join moving loops to one another.
4. Attach the lightweight decoration to the front face only. Close the card slowly and check that no part protrudes or catches.

LIMITS AND CHECKS

- Drawing dimensions describe flat paper surfaces, not verified internal capacity, load strength, fit or material compatibility.
- No mailing, food-contact, archival, toy-safety, protective-wear or cutting-machine certification is supplied.
- Make a plain-paper trial first; paper thickness and fold accuracy can change the fit.
- Trial: Measure the 50 mm reference and two named component dimensions.
- Trial: Make a complete empty trial and document fold direction, joining order, collision, stability and any fragile features.
- Trial: Repeat the trial using your chosen paper. Check that every join holds and each moving part works freely before decorating.



50 mm print check

Print at actual size / 100%. Disable fit-to-page.

Use the paper edition that matches the printer tray.