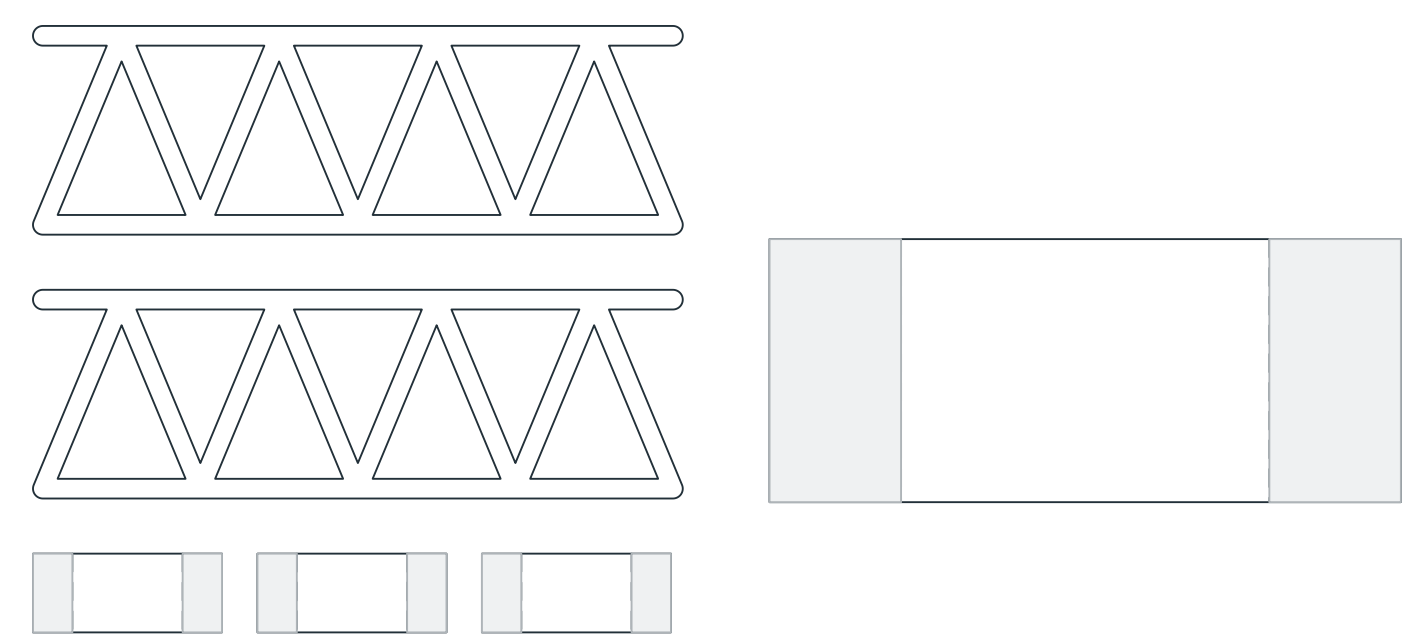


Paper Truss Model paper construction project

ex2-1219 / 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

2 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.

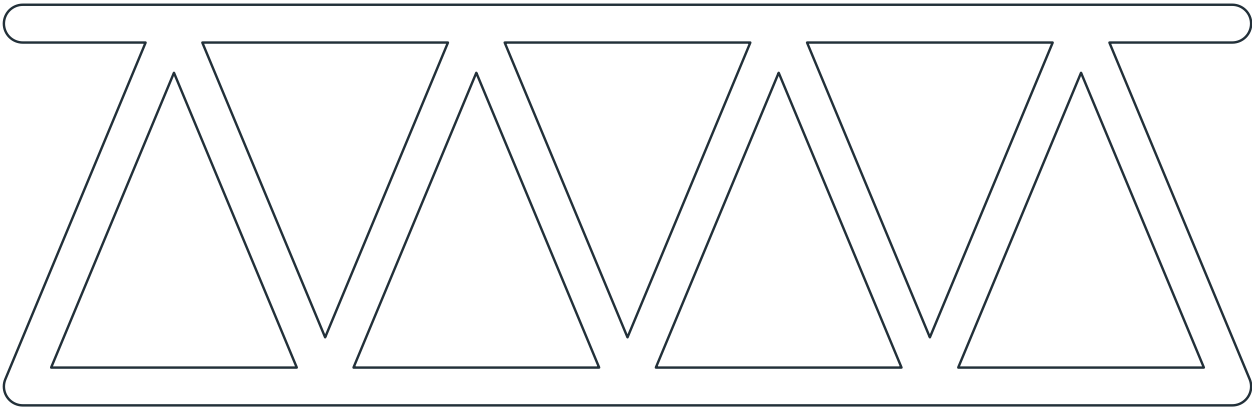


Print at actual size / 100%. Disable fit-to-page.
Use the paper edition that matches the printer tray.

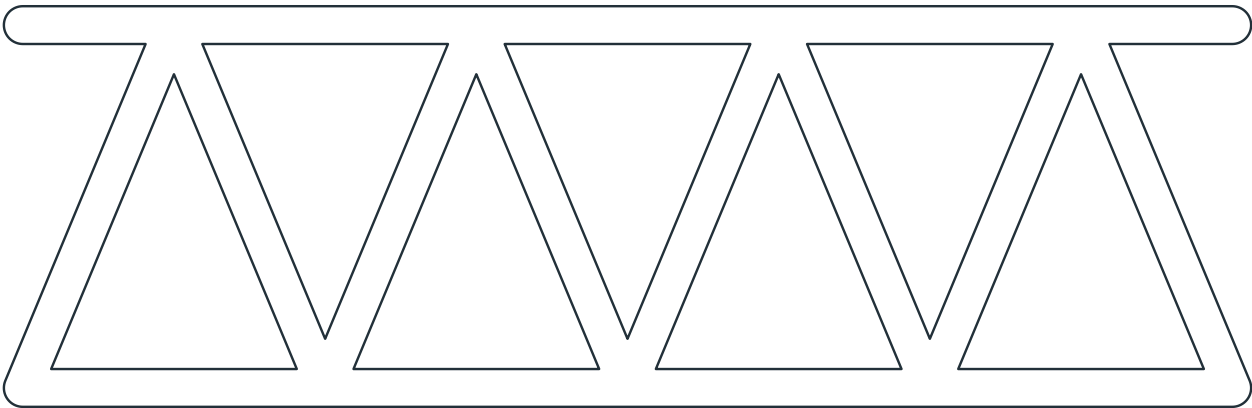
Paper Truss Model paper construction project

ex2-1219 / LETTER / Pattern 1

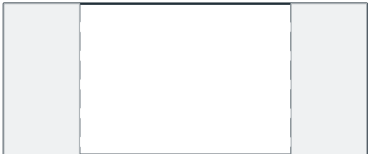
Warren truss side 1



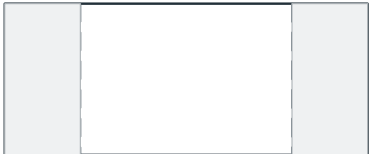
Warren truss side 2



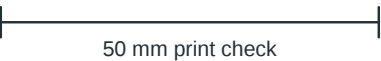
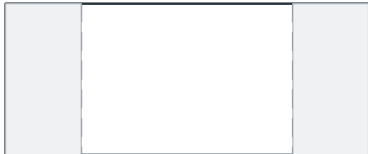
Cross spacer 1



Cross spacer 2



Cross spacer 3



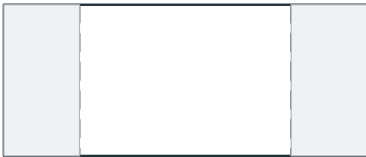
50 mm print check

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

Paper Truss Model paper construction project

ex2-1219 / LETTER / Pattern 2

Cross spacer 4



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

Paper Truss Model paper construction project

ex2-1219 / LETTER / Instructions

PURPOSE

Paper Truss Model paper construction 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

- Two 160 x 48 mm triangulated sides; 5 mm members; four 28 mm live cross-spacers.

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. Cut two continuous truss sides, taking care not to detach a diagonal member.
2. Score and bend both ends of each spacer.
3. Place sides parallel, then glue spacer tabs to corresponding panel nodes. Keep the model rectangular while drying.
4. This is a structural-form study, not a load-bearing bridge. Physical review may examine buckling qualitatively without promising capacity.

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.