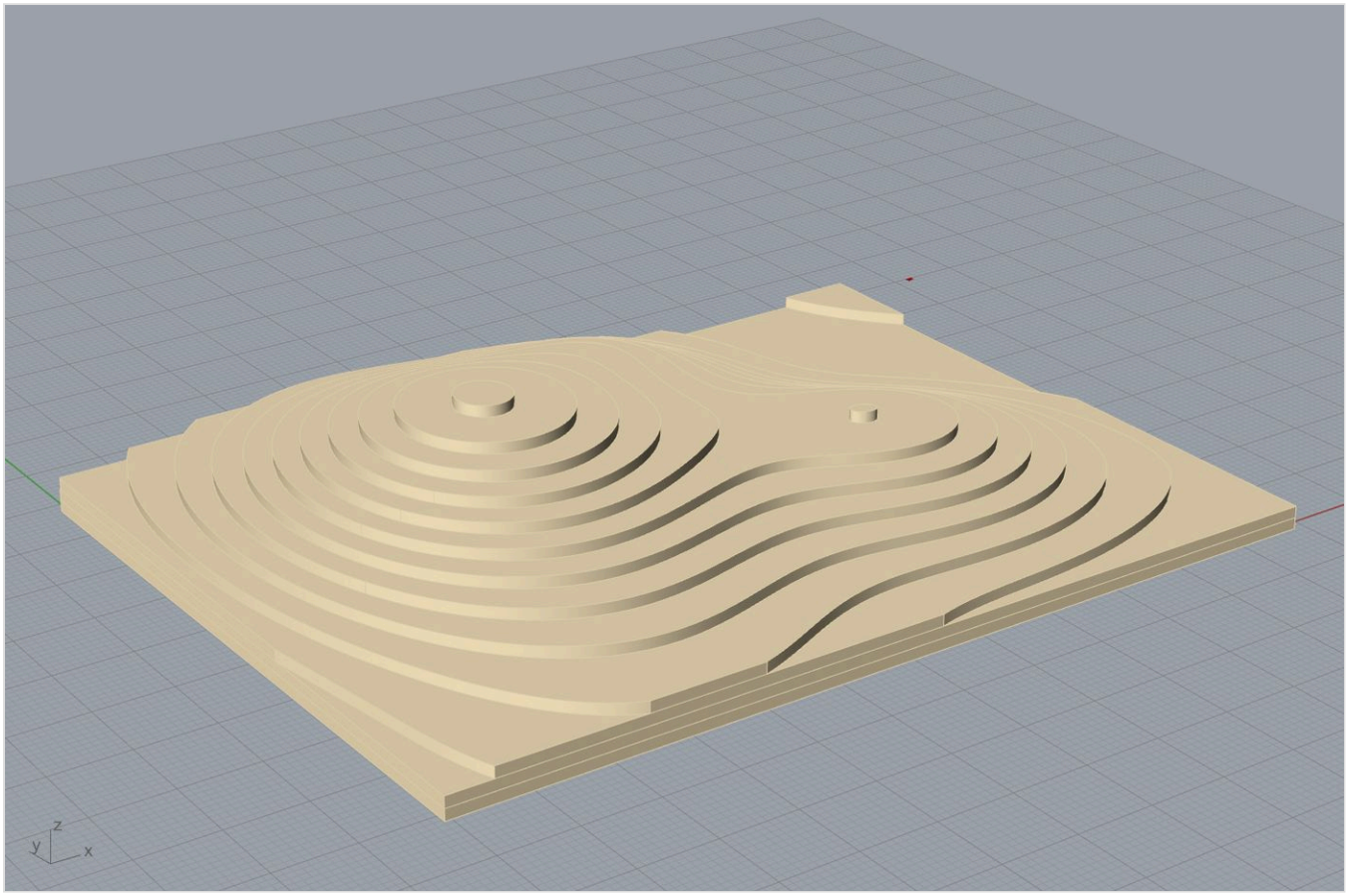
SITE AND MODELS

TERRAIN MODEL

Layered site model from a terrain surface, laid out for the laser with engraved guides



FREE | RHINO 7 · RHINO 8 | NATIVE COMPONENTS ONLY | VERSION 1.0 · NOVEMBER 2026

Choose the scale and the sheet thickness: the contour interval follows, so each sheet is one contour. Every layer is cut as a closed outline, scaled to the model, laid flat and engraved with its number and with the outline of the next layer, so gluing is quick and exact.

Free to use in your own projects, commercial ones included. Please do not resell or re-upload the files: share the link instead.

HOW TO USE

1. Open the file: a sample terrain appears with its layers.
2. Right-click 'Terrain' > Set one Surface and pick your terrain surface.
3. Set the scale (1:500 by default) and the sheet thickness in millimetres.
4. Set layout gap, parts per row and label height.
5. Read 'Model data', bake 'Cut curves' and 'Engrave curves'; 'Contours' for drawings.

BAKE

Cut curves | Engrave curves | Contours

GOOD TO KNOW

- A level can give more than one piece (islands): each one is numbered with its layer.

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INPUTS

PARAMETER	RANGE	DEFAULT
Scale 1:	50 – 5000	500
Sheet thickness (mm)	0.5 – 10.0	3.0
Layout gap (mm)	1 – 50	8
Parts per row	1 – 20	4
Label height (mm)	1.0 – 20.0	4.0

GEOMETRY YOU CAN REPLACE

Terrain · Surface

RESULTS AT DEFAULT VALUES

MODEL DATA

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Layers: 13   pieces: 15
Contour interval: 1.50 m
Model: 240 x 180 x 39 mm
Cut length: 6.17 m
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INSIDE THE DEFINITION

STAGES, LEFT TO RIGHT AND TOP TO BOTTOM

1 INPUT

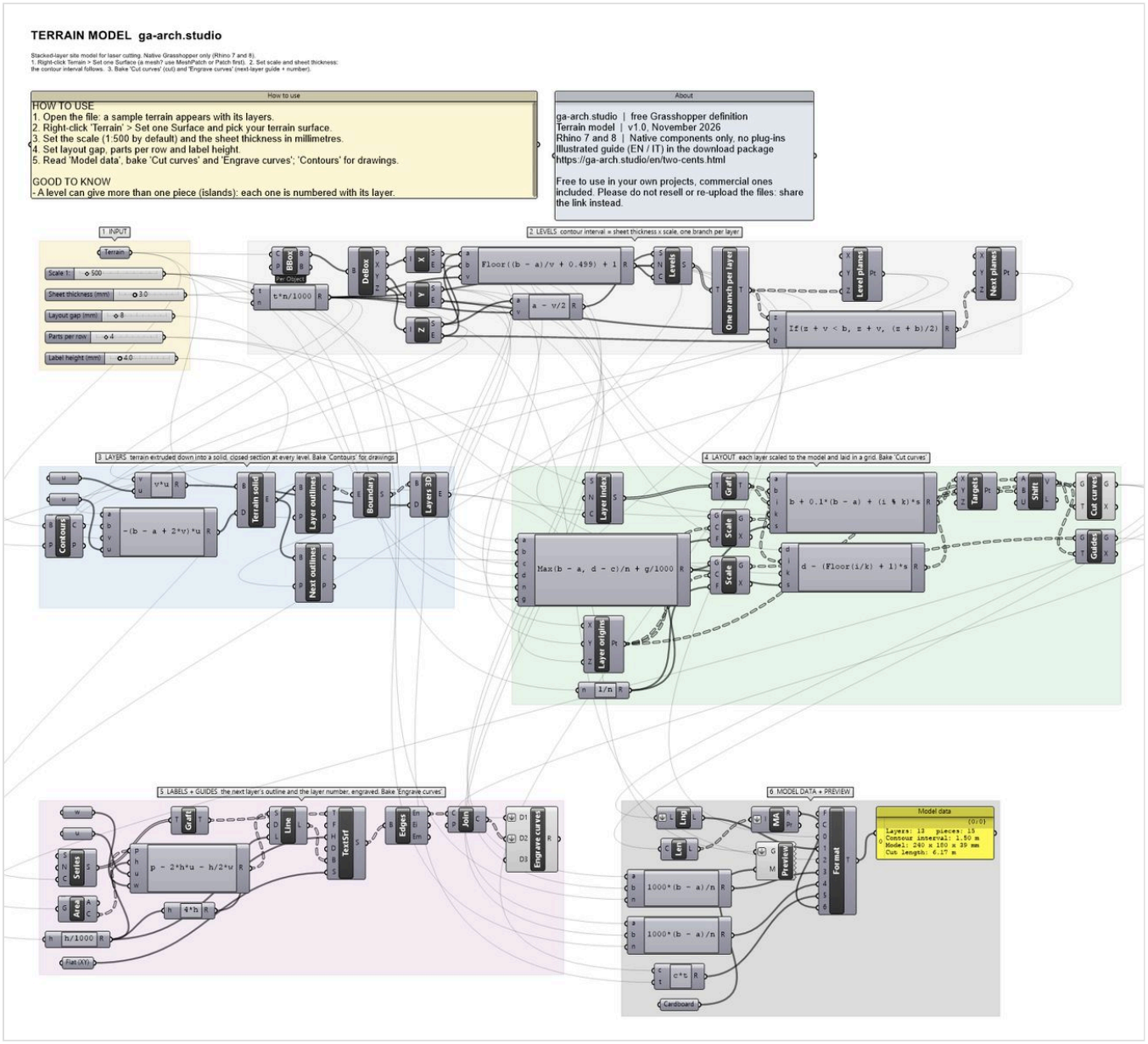
2 LEVELS contour interval = sheet thickness x scale, one branch per layer

3 LAYERS terrain extruded down into a solid, closed section at every level. Bake 'Contours' for drawings

4 LAYOUT each layer scaled to the model and laid in a grid. Bake 'Cut curves'

5 LABELS + GUIDES the next layer's outline and the layer number, engraved. Bake 'Engrave curves'

6 MODEL DATA + PREVIEW



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