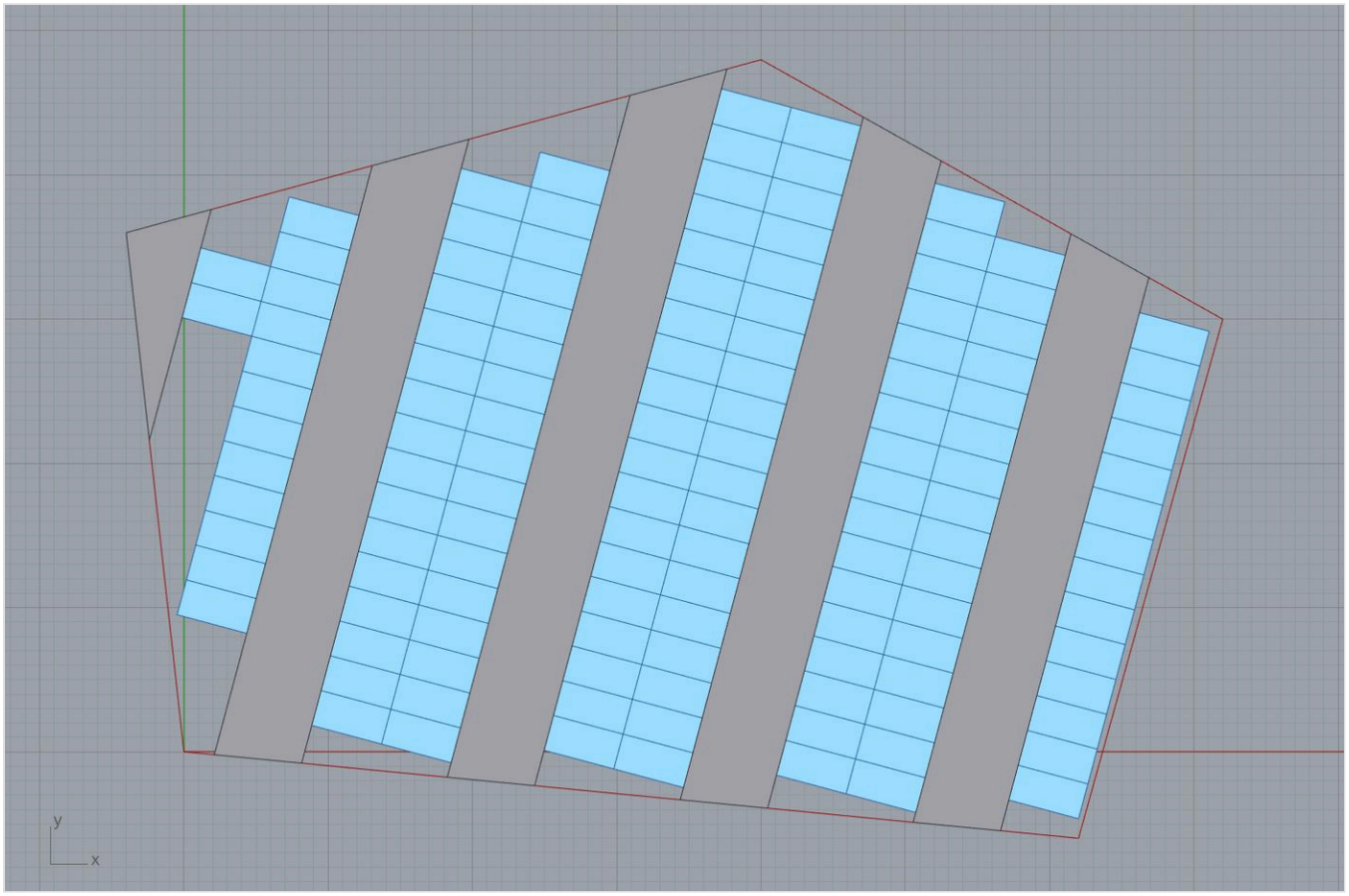
PLANNING

PARKING LAYOUT

Stalls and aisles fitted into any site, with stall count



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

Rows of stall + aisle + stall are laid over the site at the angle you choose; a stall is kept only if its four corners and the aisle in front of it are inside the site. Shift the grid along and across the rows to find the layout that fits the most stalls.

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 site appears with its stalls.
2. Right-click 'Site' > Set one Curve and pick your closed site outline.
3. Set stall width and depth and the aisle width.
4. Try the layout angle and the two shifts: the count in 'Parking data' changes, keep the best.
5. Bake 'Stalls'.

BAKE

Stalls

GOOD TO KNOW

- On the sample site the count goes from 111 to 132 stalls just by changing angle and shift: it is worth trying.

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

INPUTS

PARAMETER	RANGE	DEFAULT
Layout angle (deg)	-90.0 – 90.0	75.0
Stall width (m)	2.00 – 3.50	2.50
Stall depth (m)	4.00 – 6.00	5.00
Aisle width (m)	3.00 – 8.00	6.00
Shift along rows (m)	0.00 – 5.00	0.00
Shift across rows (m)	0.00 – 20.00	2.00

GEOMETRY YOU CAN REPLACE

Site · Curve

RESULTS AT DEFAULT VALUES

PARKING DATA

```
Stalls: 132
Site: 3090 m2   23.4 m2 per stall
Module: 16.0 m  (stall 5 + aisle 6 + stall 5)
```


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

INSIDE THE DEFINITION

STAGES, LEFT TO RIGHT AND TOP TO BOTTOM

1 INPUT

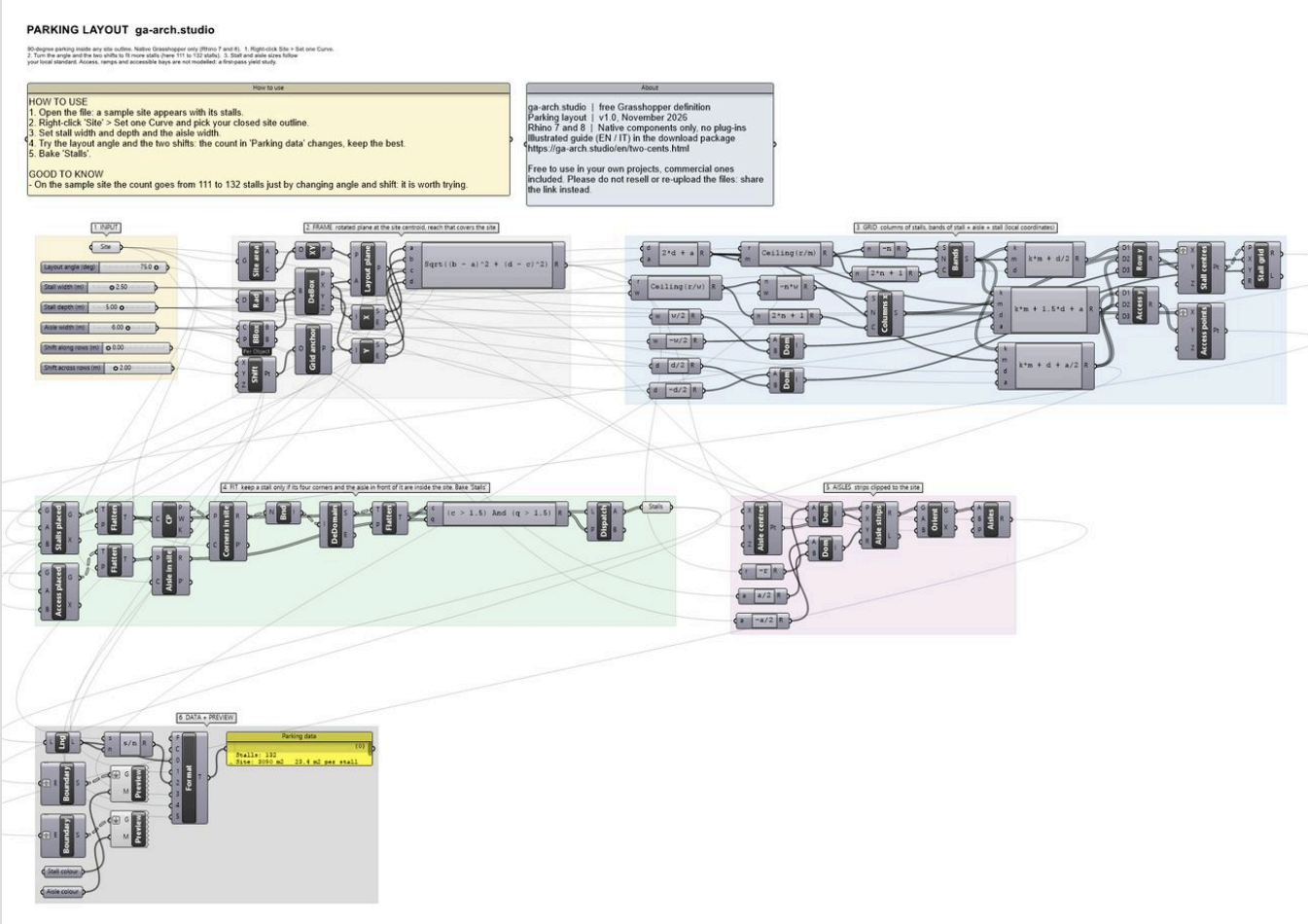
2 FRAME rotated plane at the site centroid, reach that covers the site

3 GRID columns of stalls, bands of stall + aisle + stall (local coordinates)

4 FIT keep a stall only if its four corners and the aisle in front of it are inside the site. Bake 'Stalls'

5 AISLES strips clipped to the site

6 DATA + PREVIEW



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