



SAFE TILES

ASSEMBLY INSTRUCTIONS
FALL PROTECTION TILES

Table of content

I.	Introduction	3
II.	Technical description	3
III.	Recommended tools	4
IV.	Time for assembly	5
1.	Recommended fixing of the tiles	7
2.	Simple Installation of Impact-Attenuating Tiles	8
3.	Recommended installation of impact-attenuating tiles	11
4.	Installation around obstacles (e.g., post cutouts for swings)	13
5.	Installation along organic or irregular edges	15
6.	Cutting tiles to fit curved edges	16
7.	Replacement of a damaged impact-attenuating Tile	18

I. Introduction

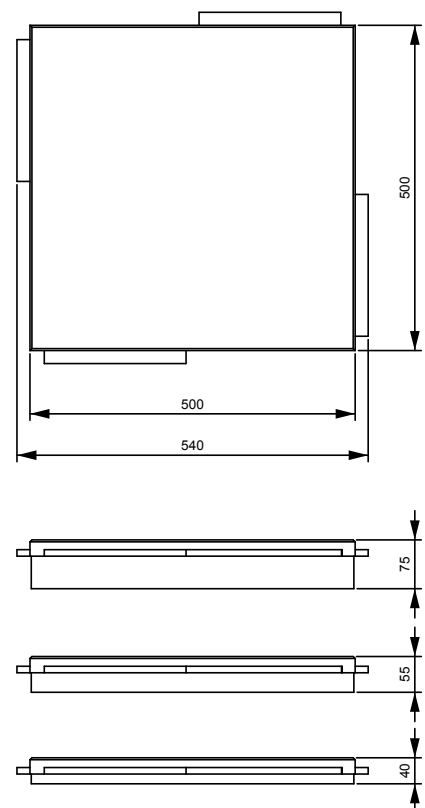
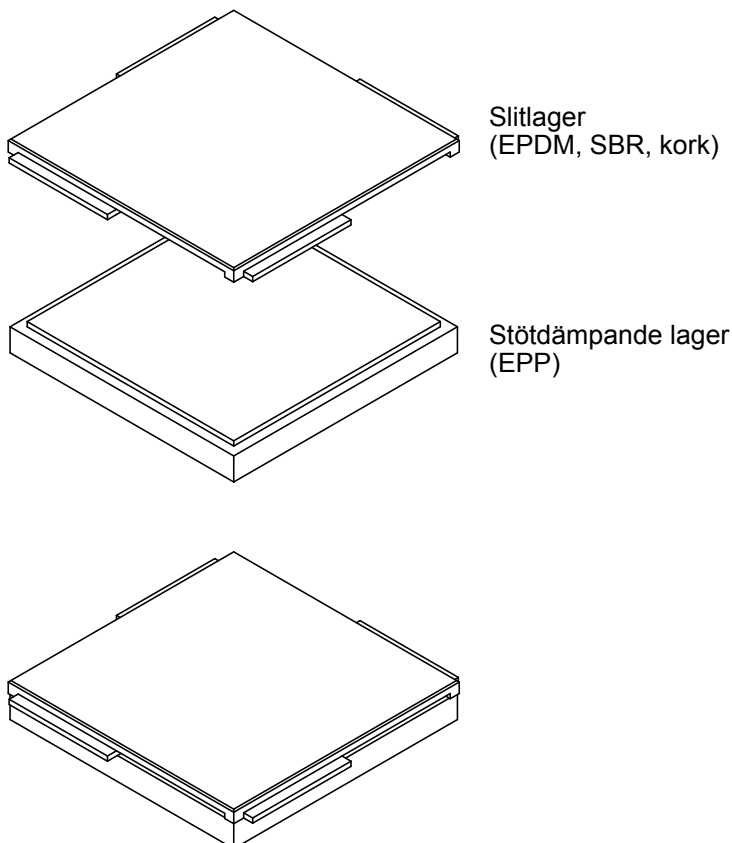
This is an installation guide for the Safe Tiles impact-attenuating tile, intended for distributors and installers of playgrounds or similar surfaces requiring fall protection.

Safe Tiles consist of a top wear layer made of EPDM, SBR, or cork, and an impact-absorbing layer made of EPP (Expanded Polypropylene).

The tiles are connected through an interlocking system integrated into the top wear layer, using a male-female connection hidden beneath the visually exposed surface. This ensures a clean and seamless visual appearance.

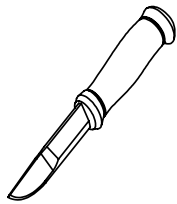
Safe Tiles are available in three thicknesses of the impact-absorbing layer to offer different levels of fall protection performance (HIC – Head Injury Criterion according to SS-EN 1177), depending on the specific needs.

II. Technical description

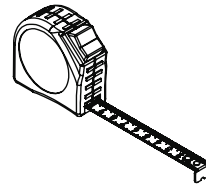


III. Recommended tools

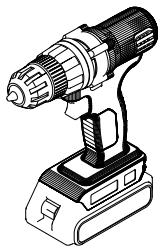
Knife



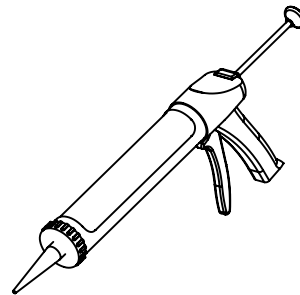
Tape measure



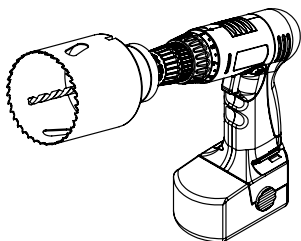
Power Screwdriver



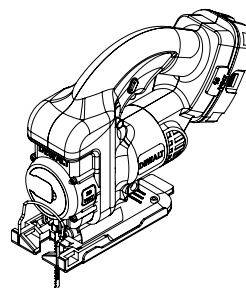
Assembly glue
in sealant gun



Hole saw



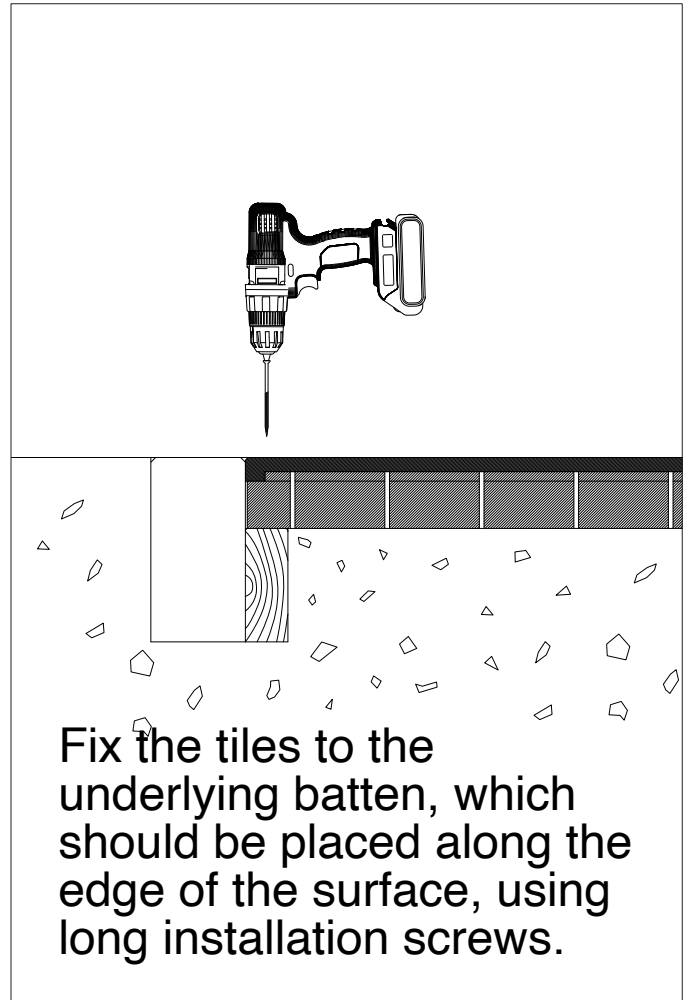
Jigsaw





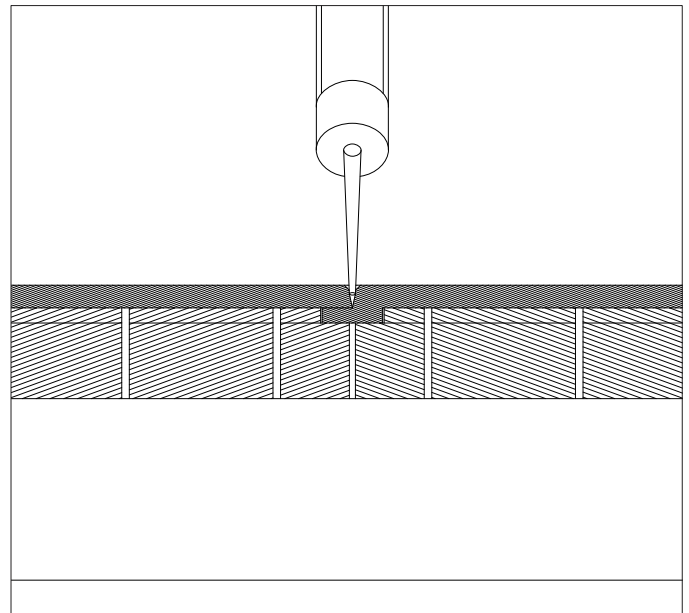
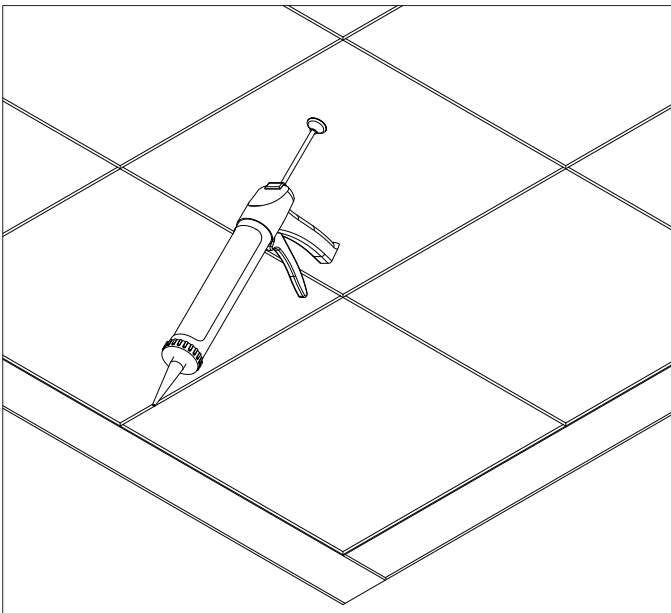
1. Recommended fixing of the tiles

The tiles should be fixed with screws along the outer edge of the surface, secured to an underlying wooden batten. The joints between the tiles, as well as any cut sections (see Chapter 8), should be glued in all cases when installing Safe Tiles impact-attenuating tiles.



Glue the joints using set adhesive, applying it to the vertical surfaces between two tiles as well as on the ledge where the tile connections meet.

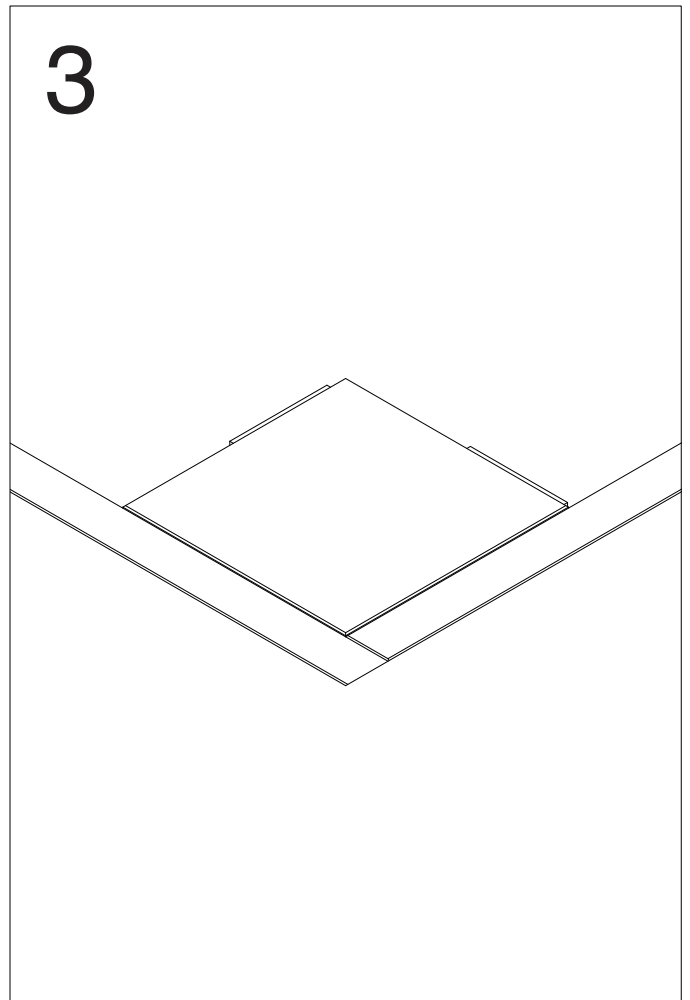
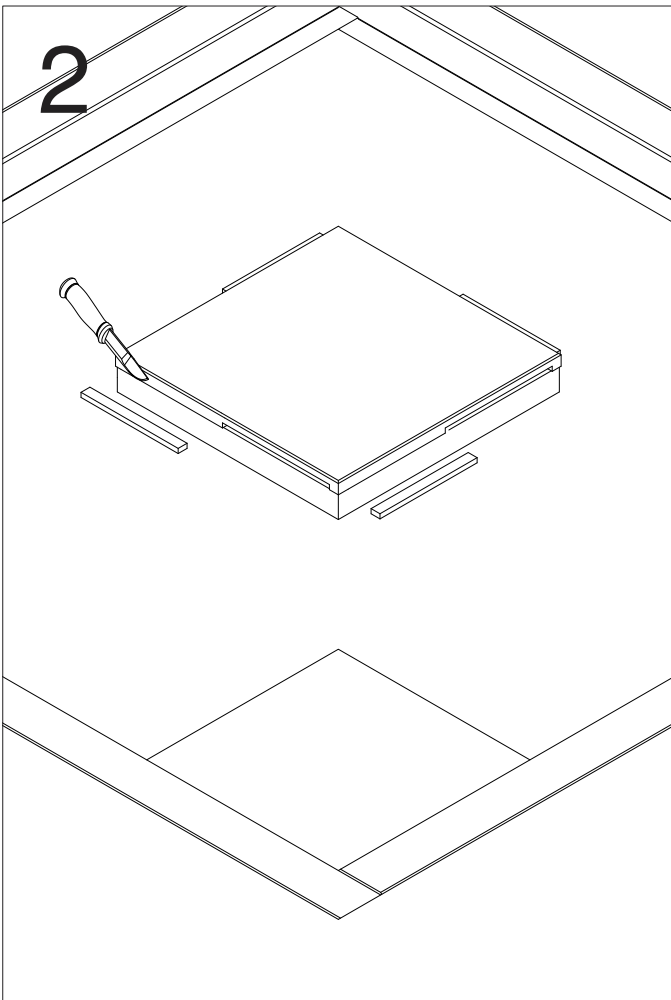
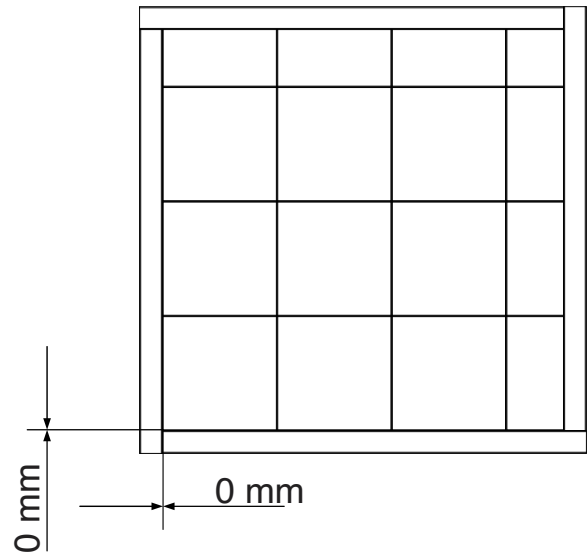
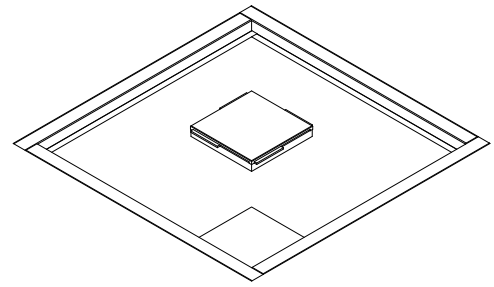
For optimal performance and durability of the installation, aim for an adhesive usage of **10–12 ml** per meter.

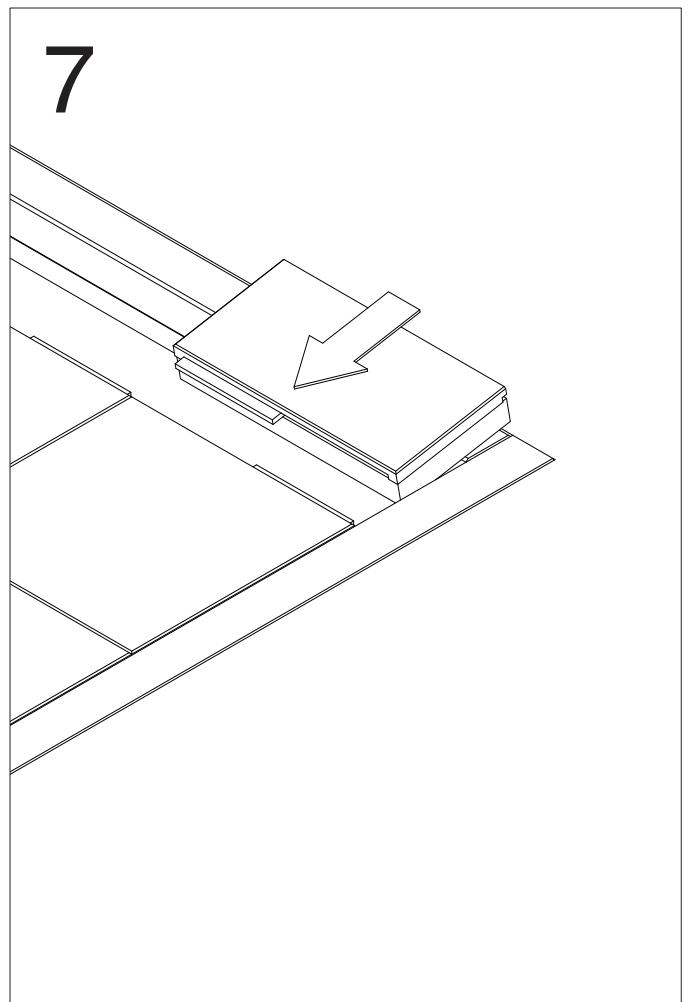
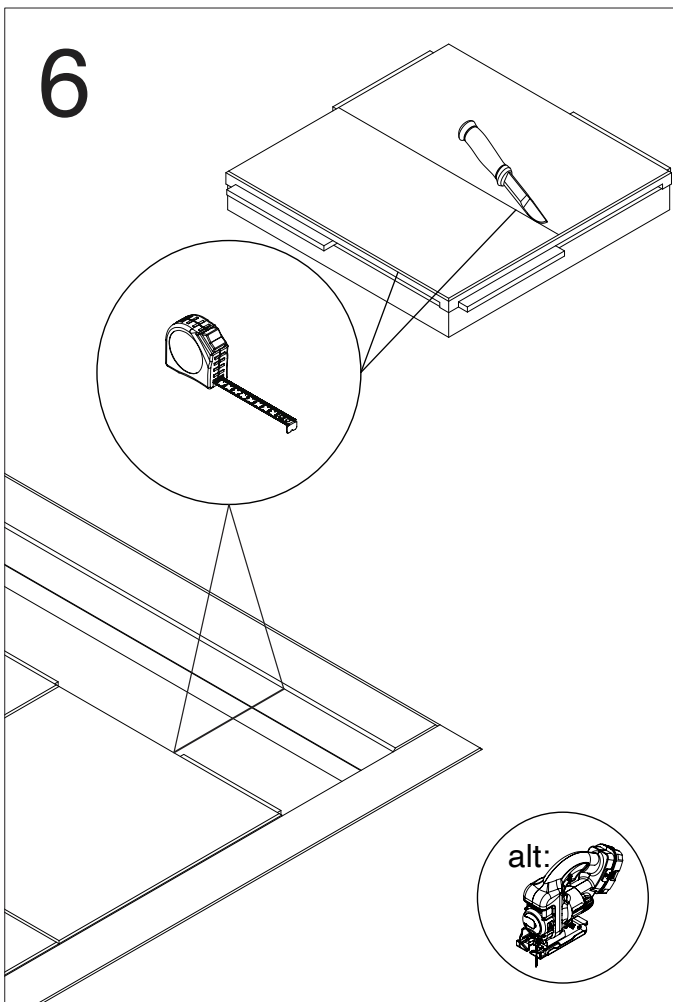
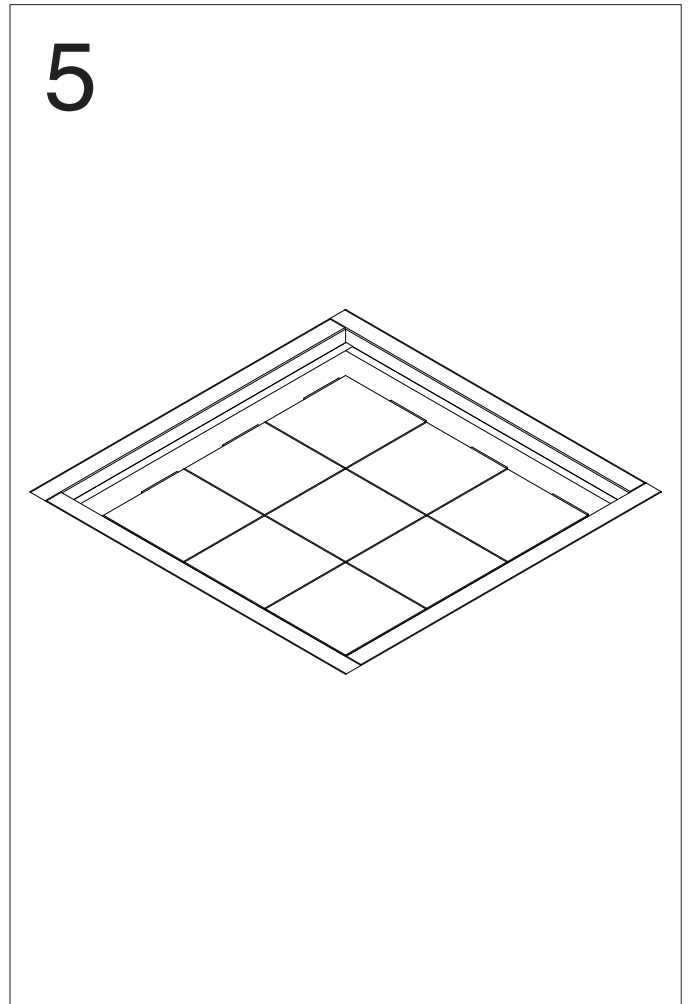
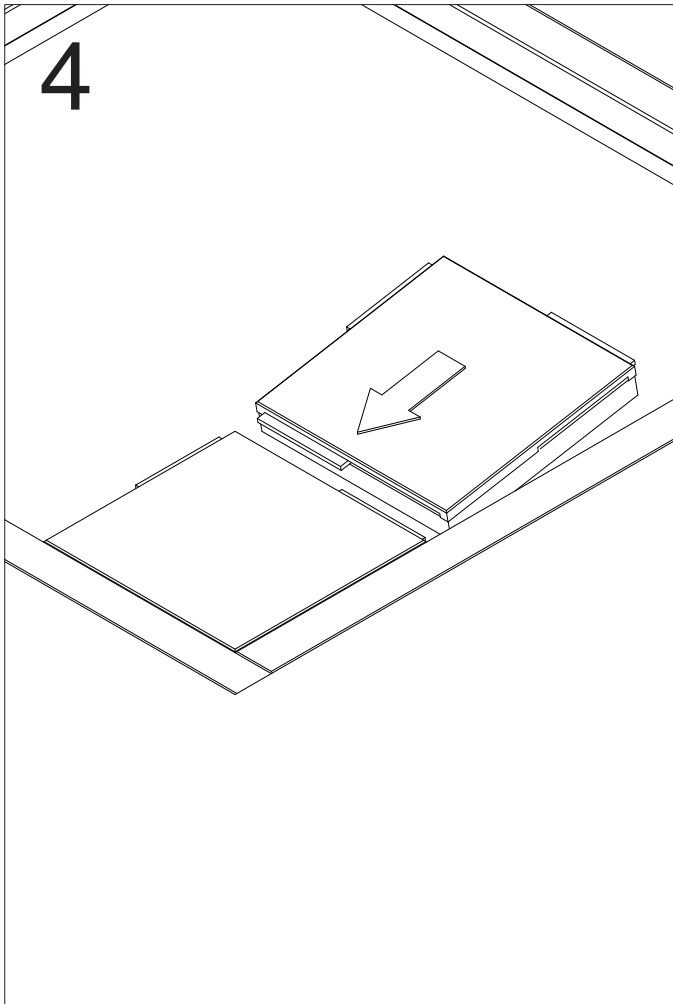


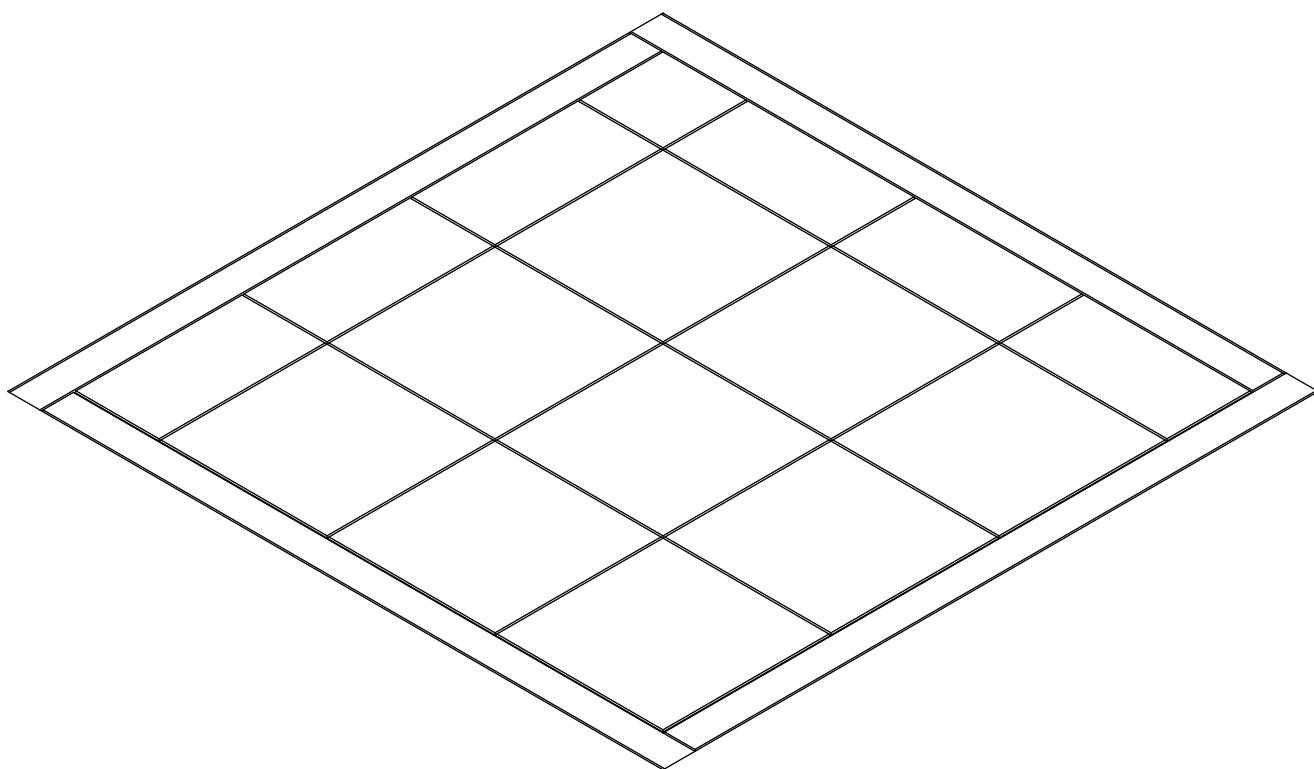
1

2. Simple Installation of Impact-Attenuating Tiles

Begin by placing full tiles flush against the edge of the surface, using tiles with trimmed connectors. Cut additional tiles as needed to fill the remaining area.

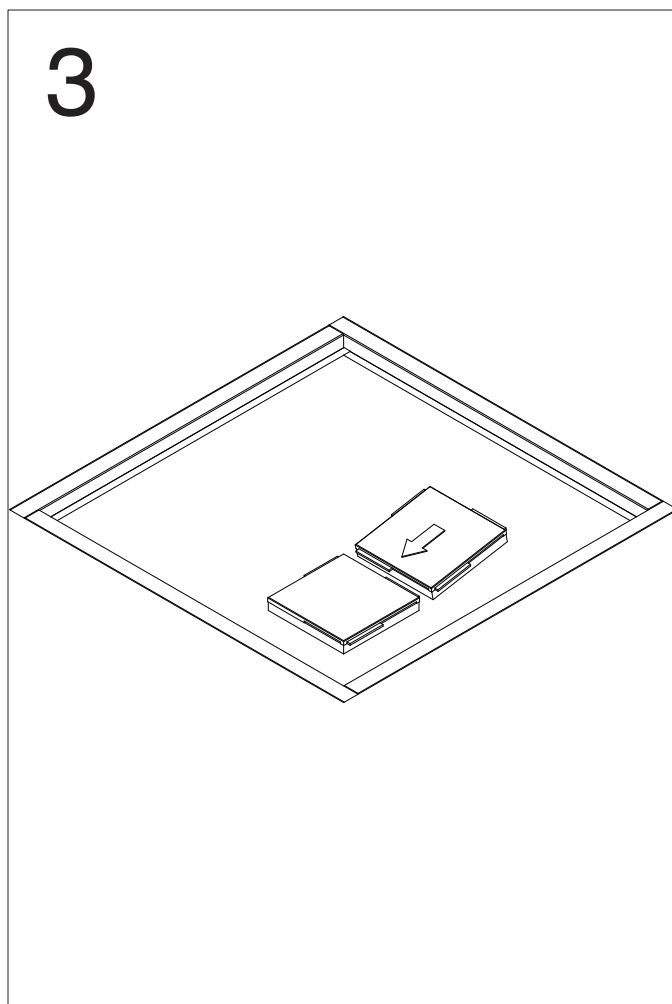
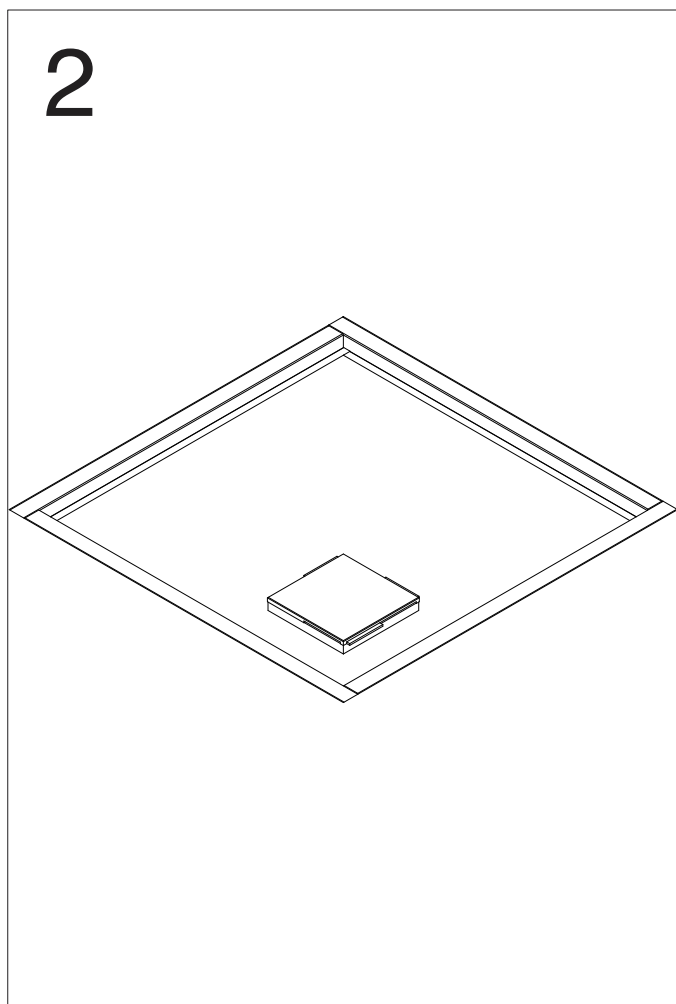
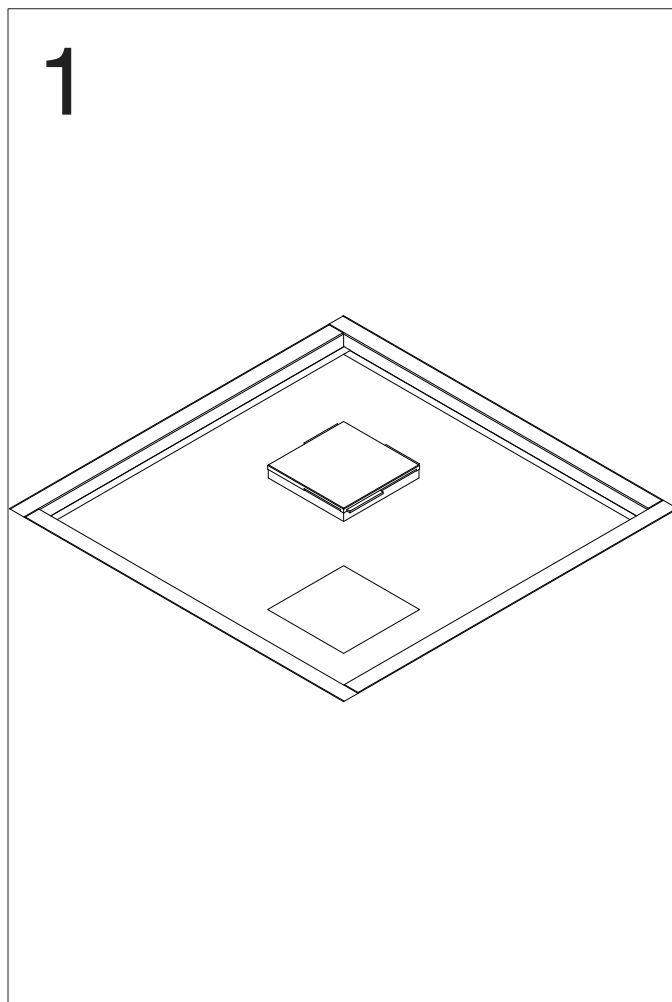




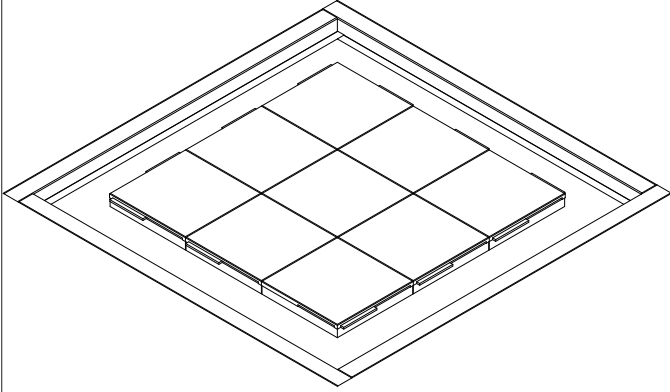


3. Recommended installation of impact-attenuating tiles

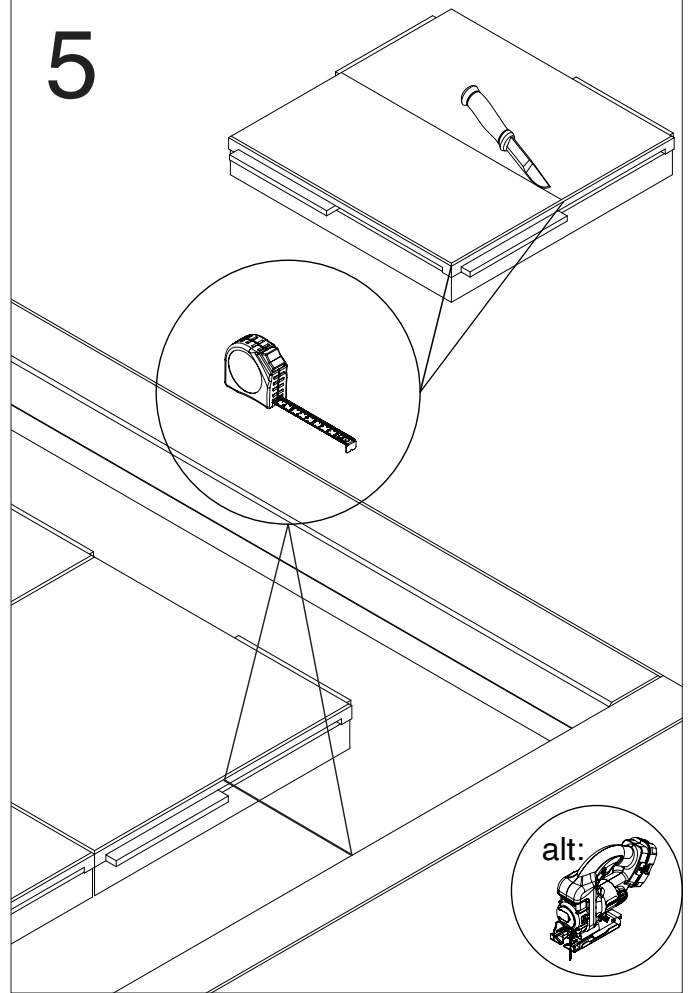
Use full tiles in the central area of the surface and trimmed tiles along the edges.



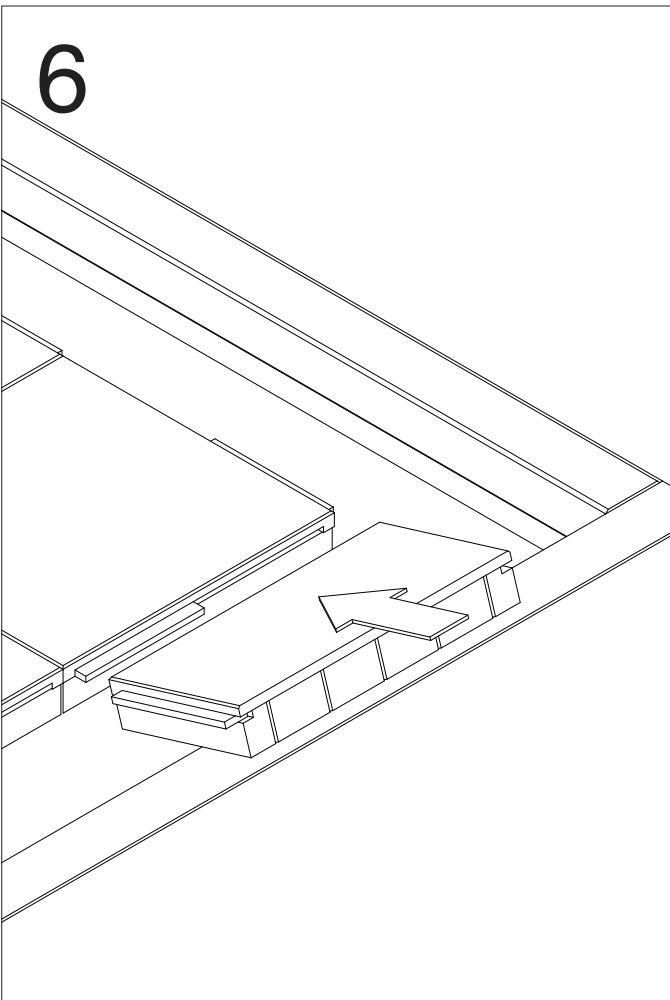
4



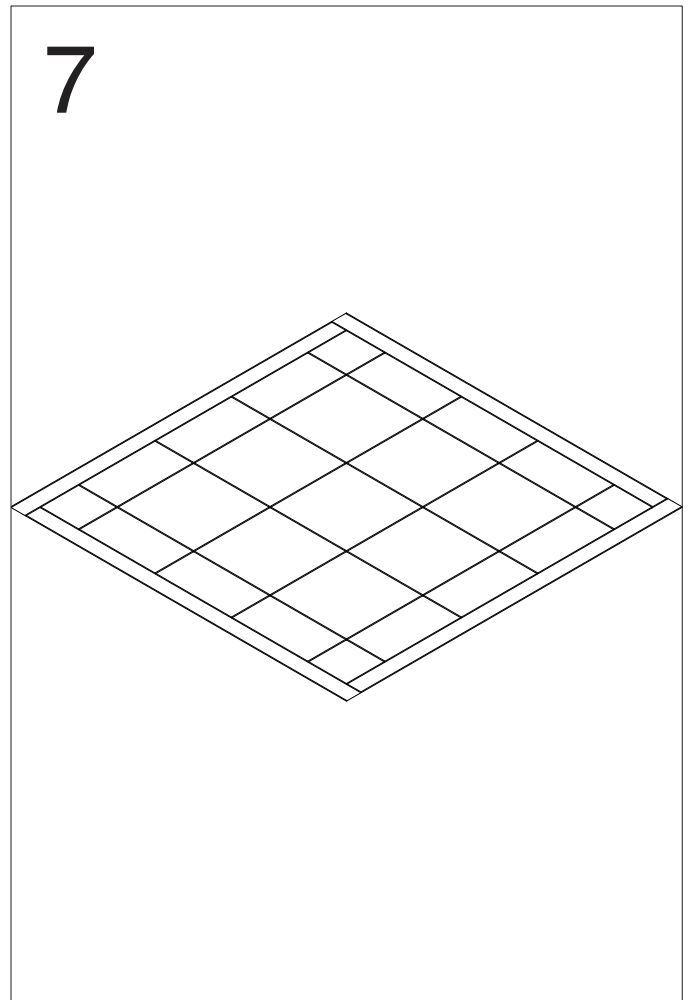
5



6

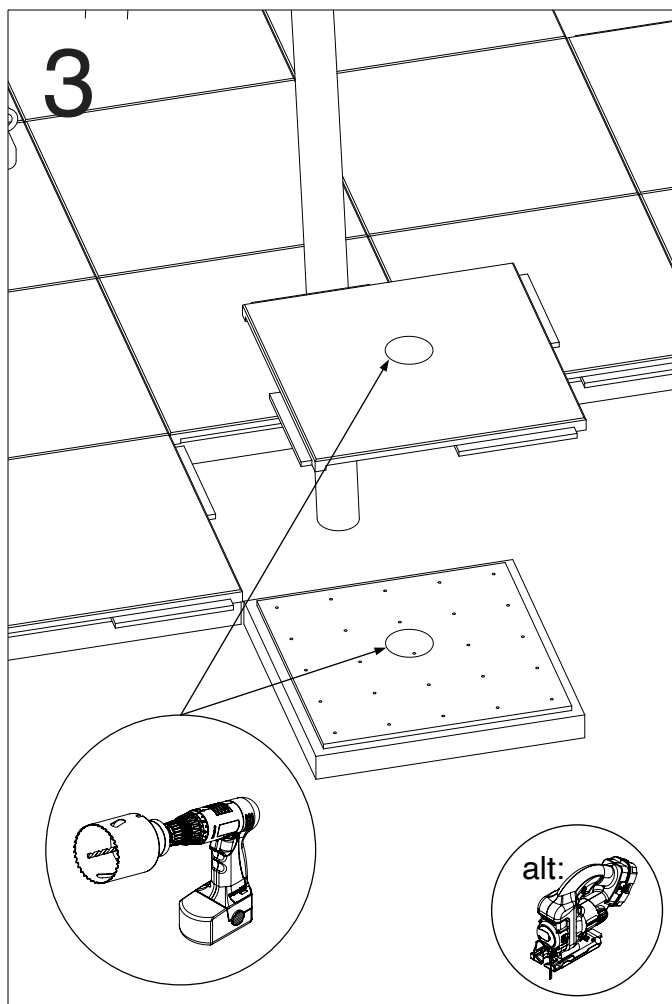
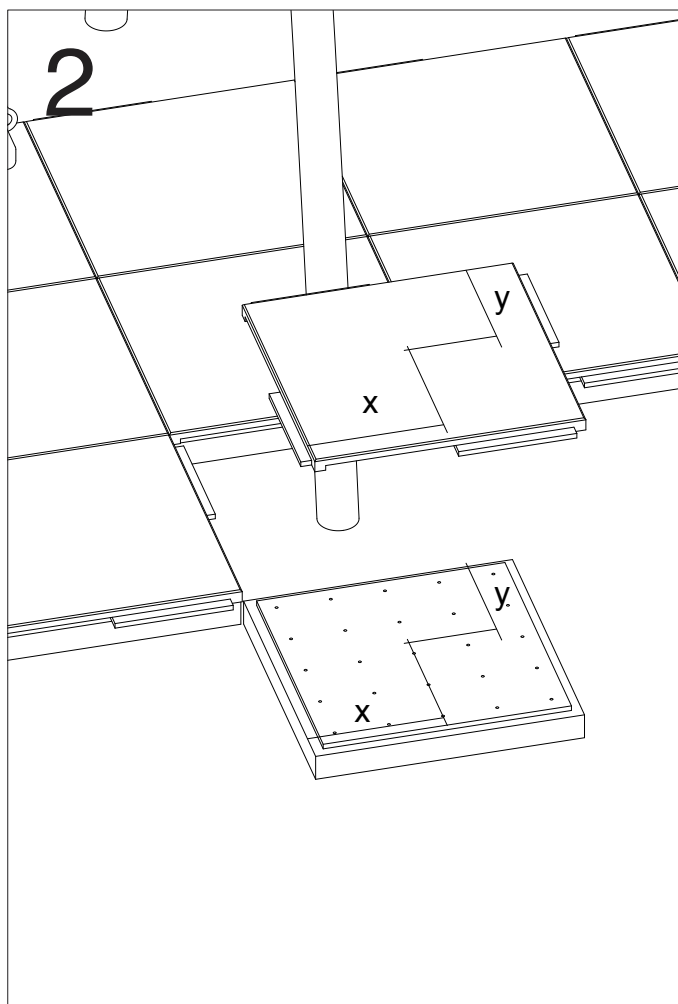
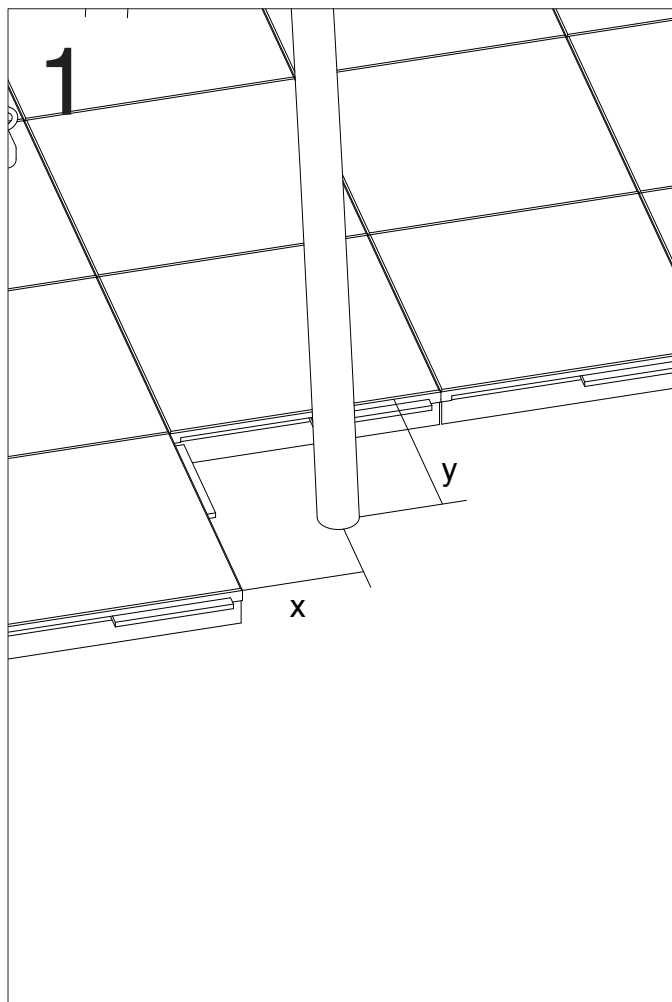


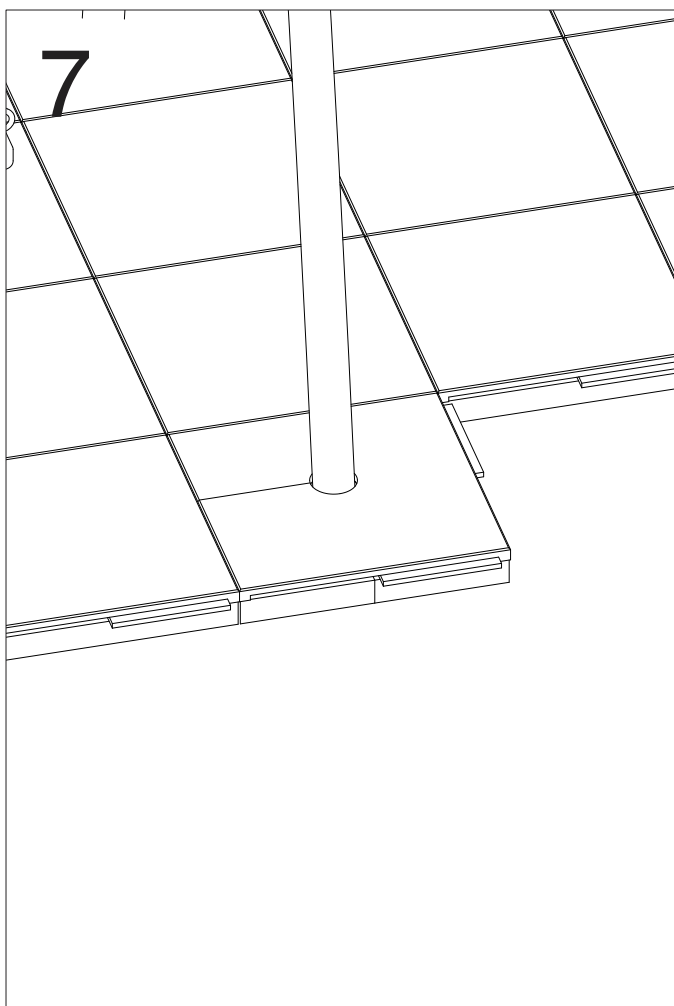
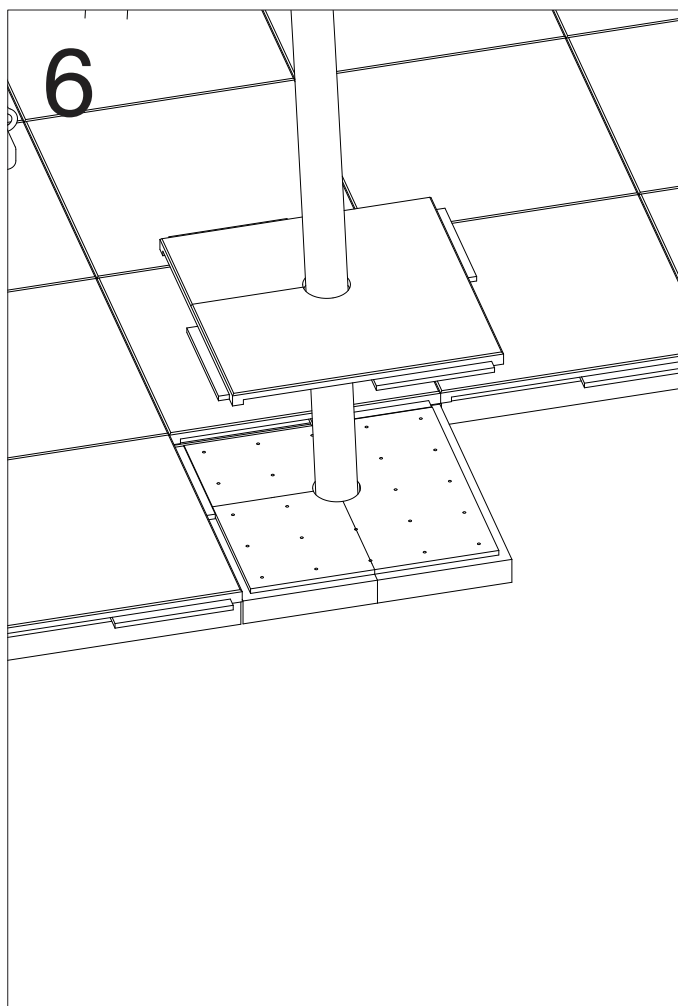
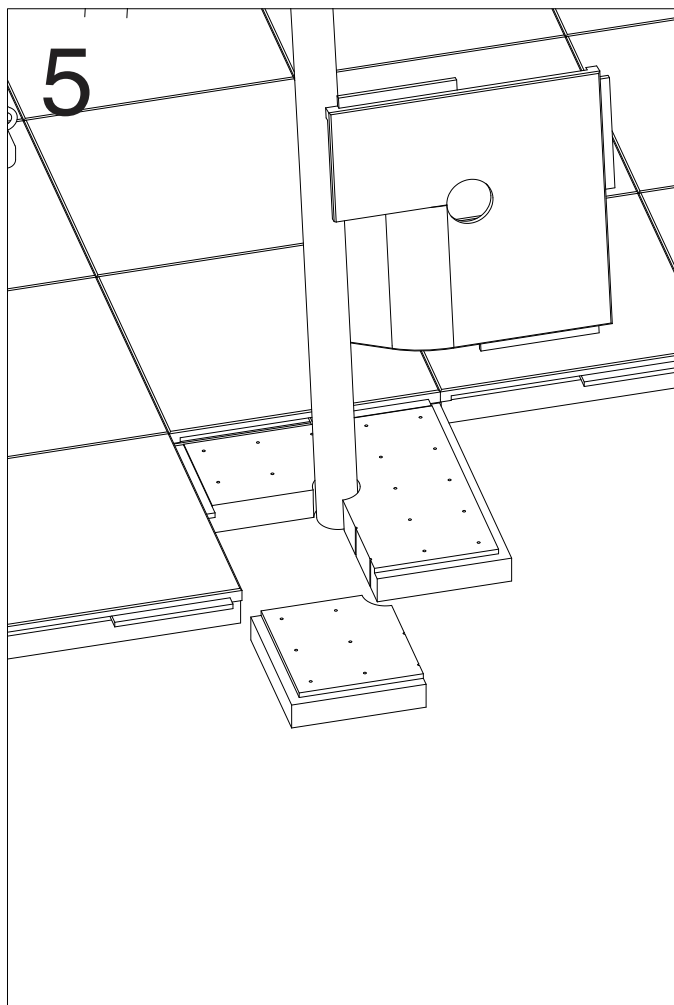
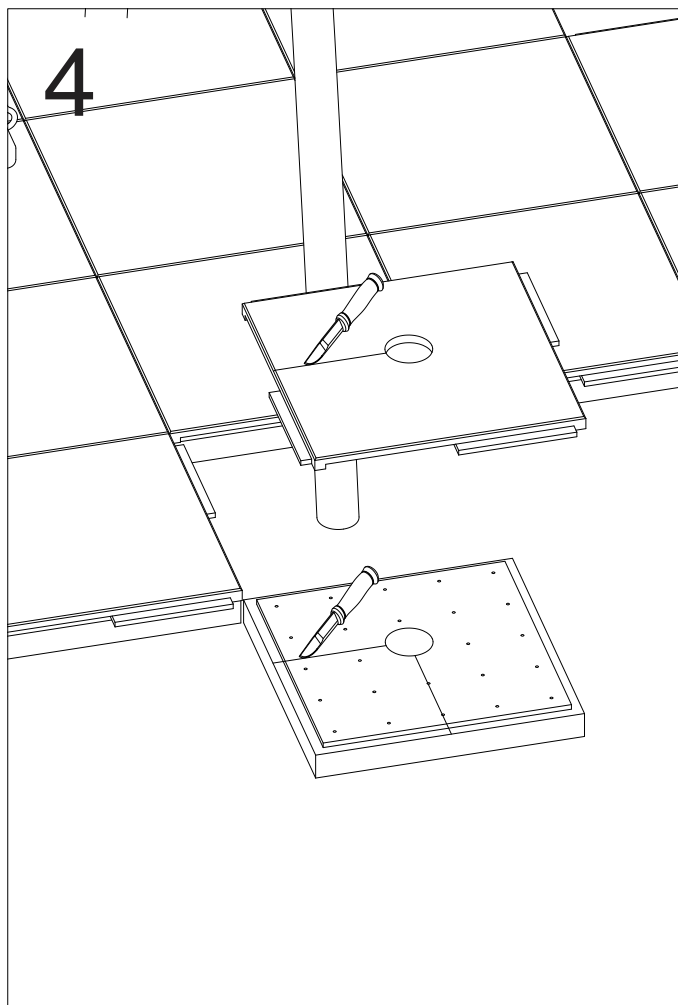
7



4. Installation around obstacles (e.g., post cutouts for swings)

Mark the position of the post and cut a hole using a hole saw or jigsaw. Cut the tile accordingly and install it around the post.

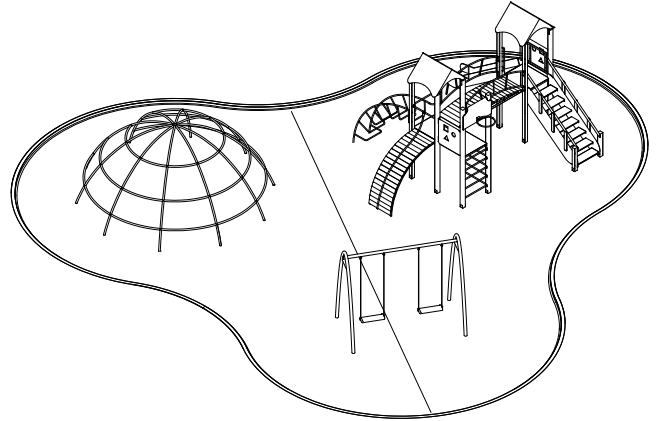




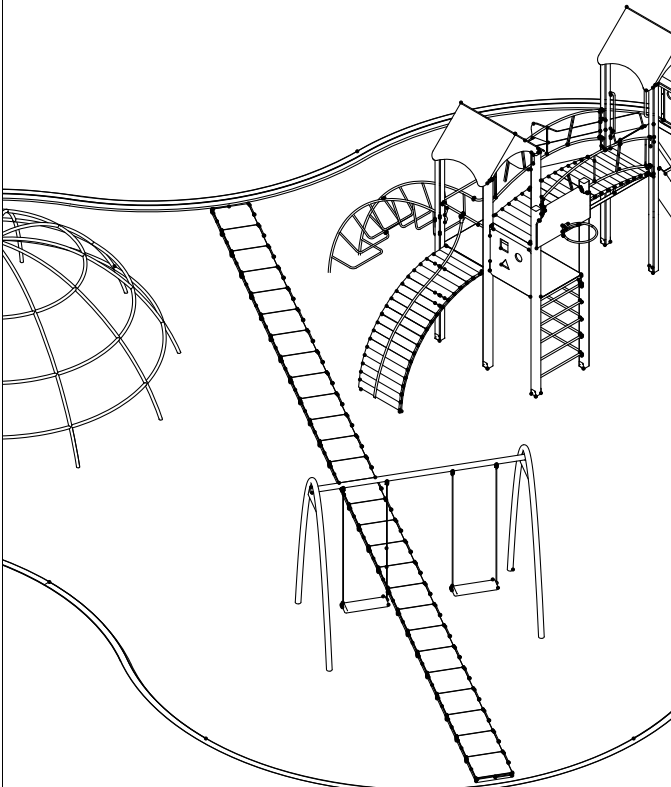
5. Installation along organic or irregular edges

Lay out the impact-attenuating tiles as desired, preferably using a reference line. Then trim the tiles to fit the edge profile. Smaller tile sections near the edge should be glued in place using set adhesive.

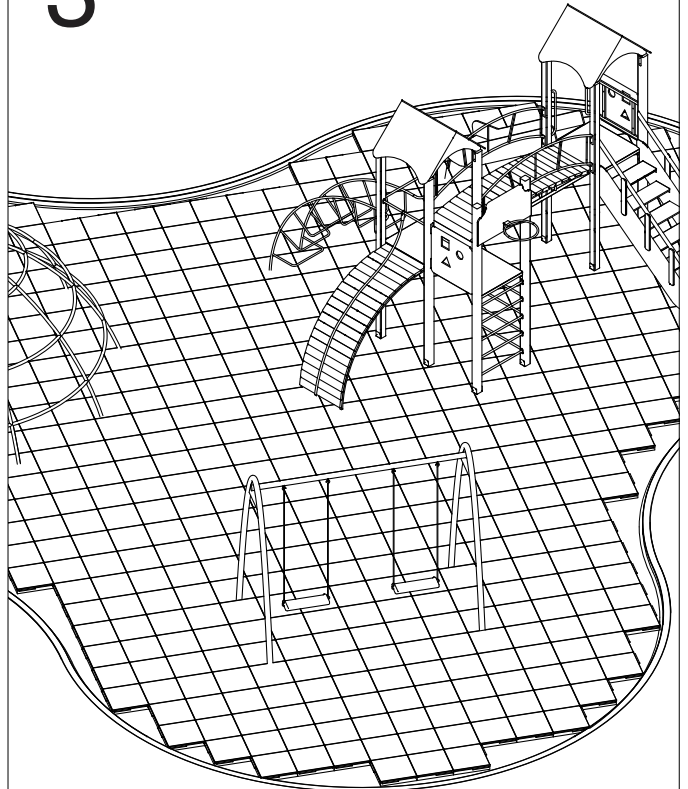
1



2

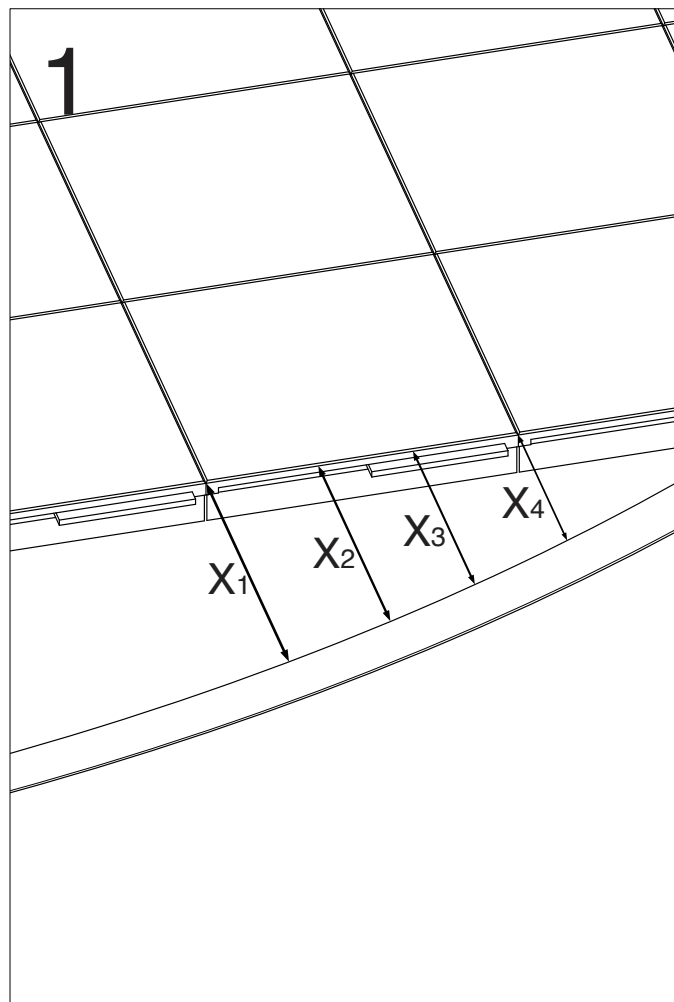


3

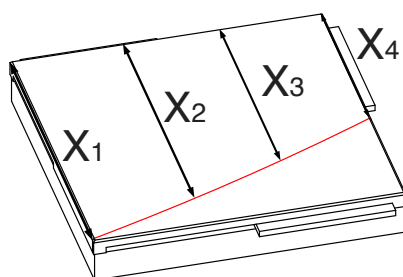


6. Cutting tiles to fit curved edges

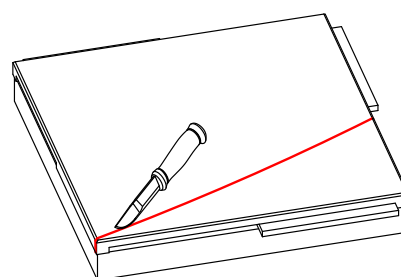
Measure the perpendicular distances from the nearest full tile to the curved edge (e.g., using a framing square) at appropriate intervals. Transfer the measurements to a full tile, cut accordingly, and install.

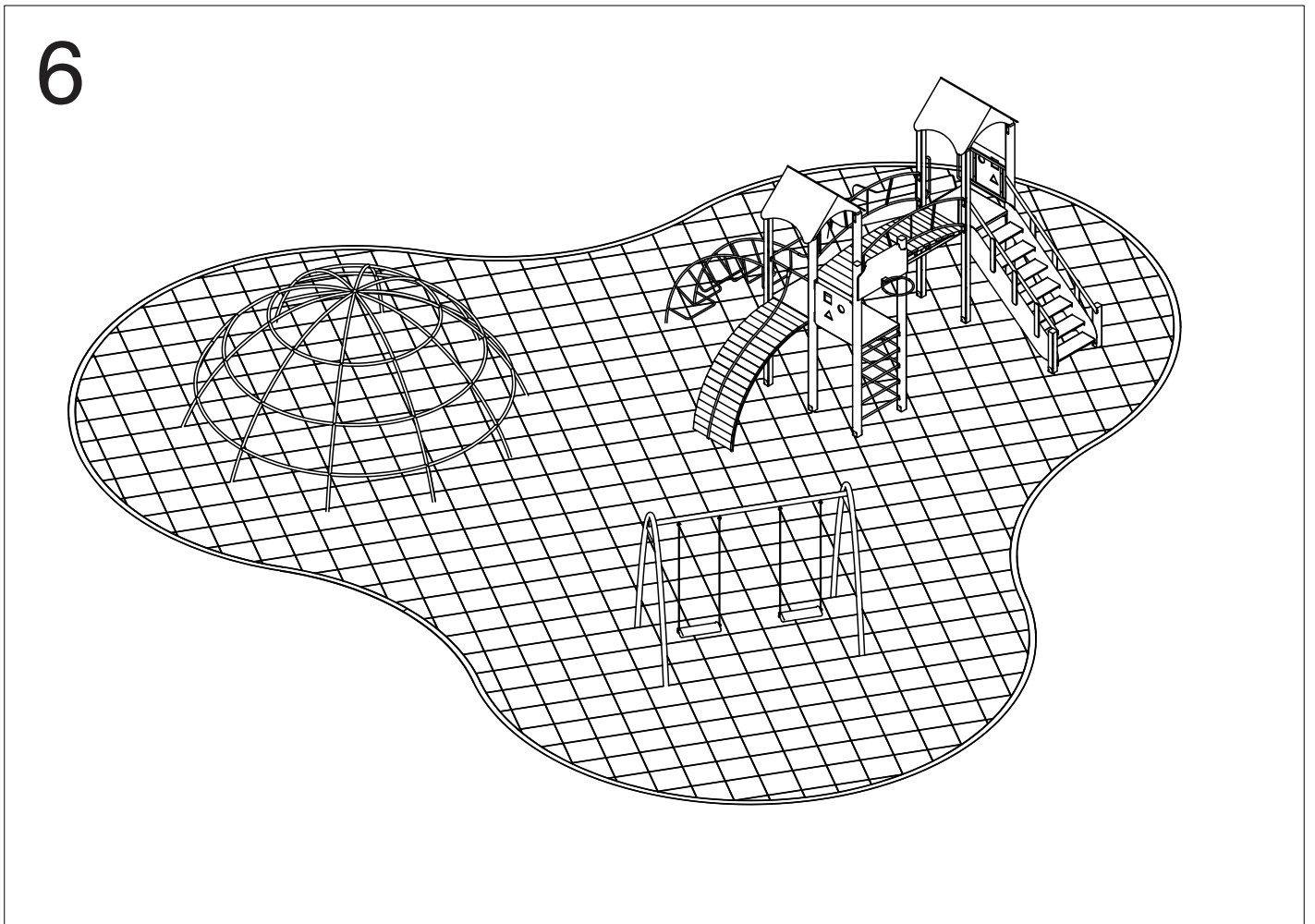
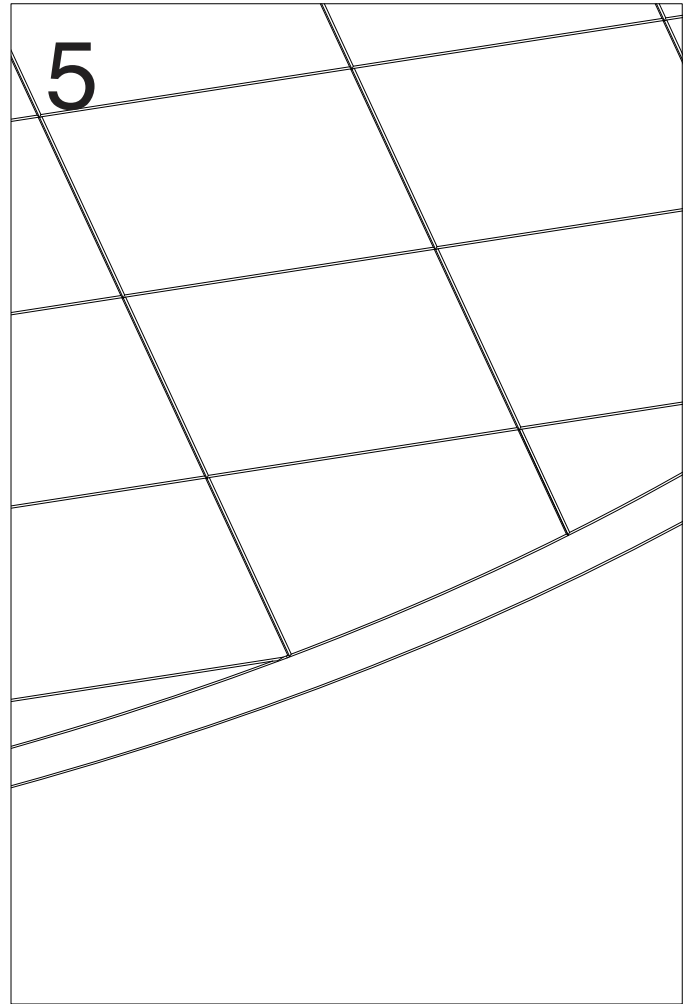
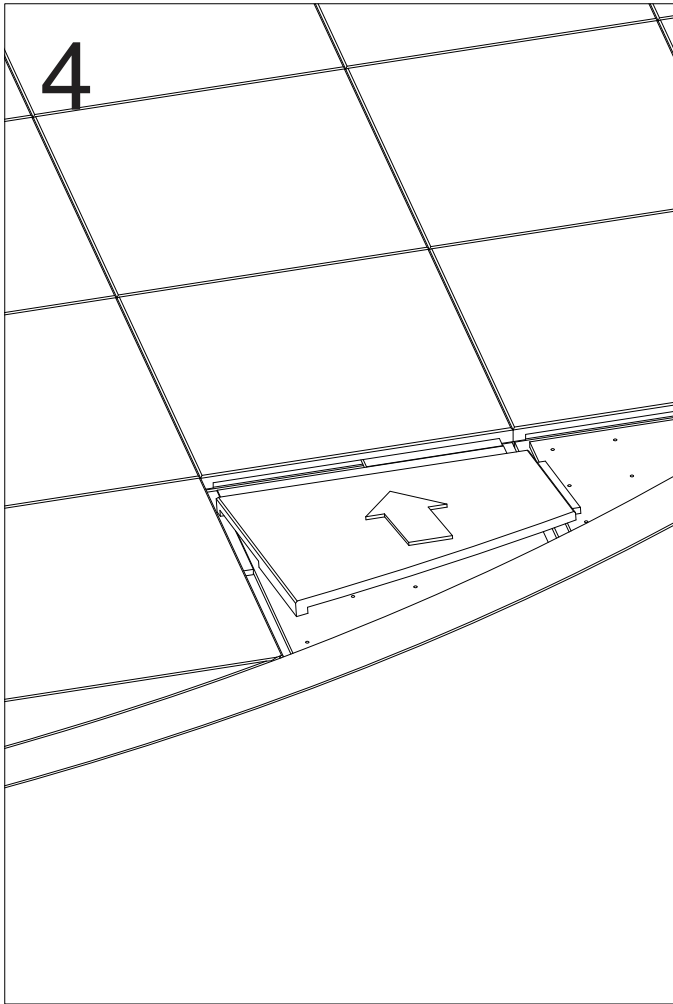


2



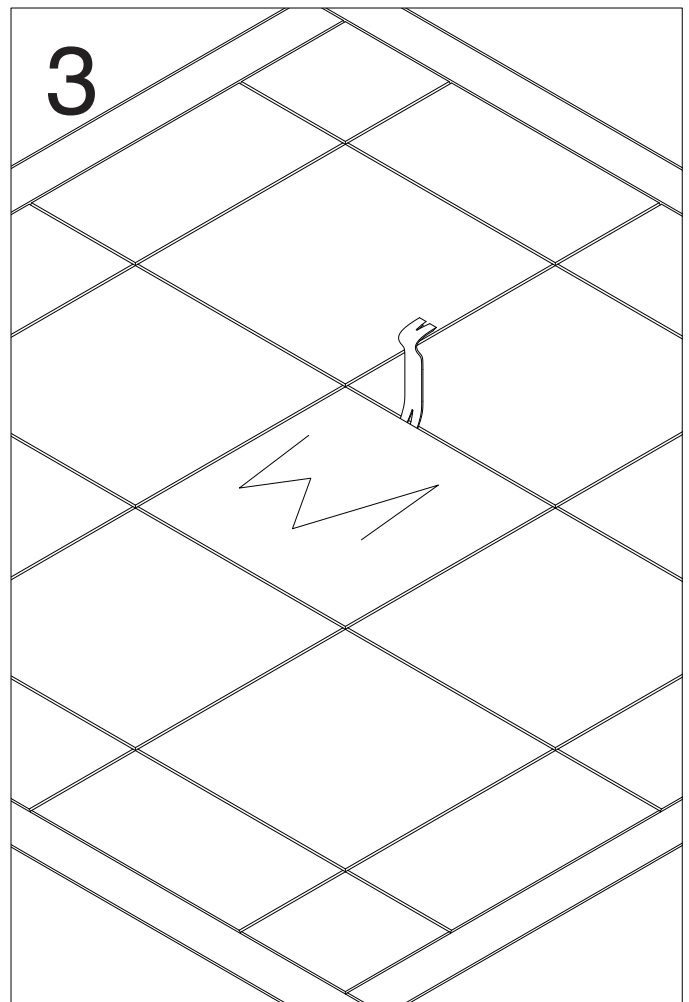
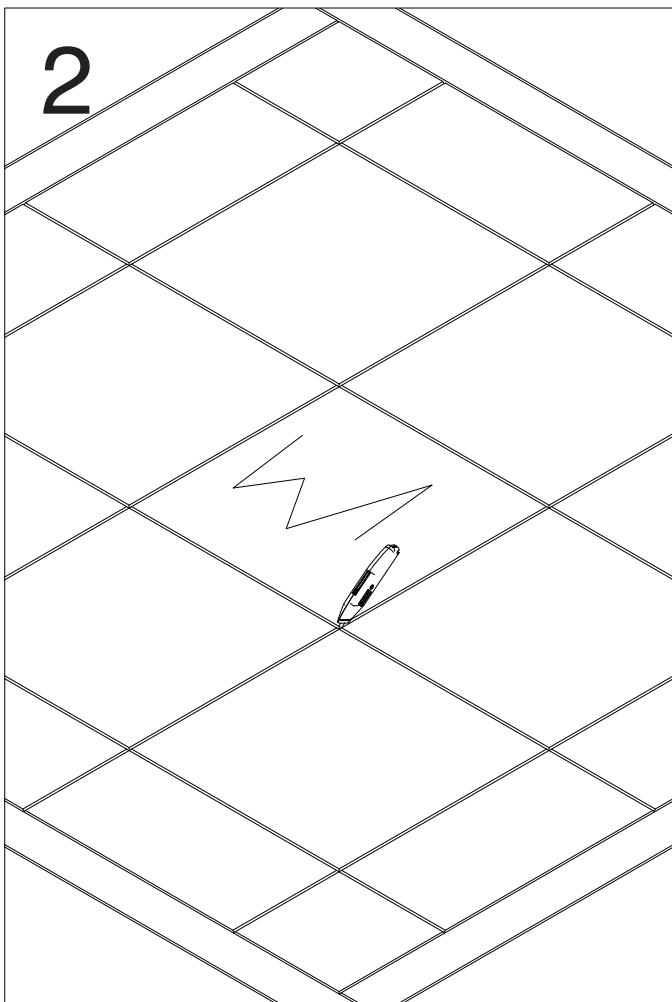
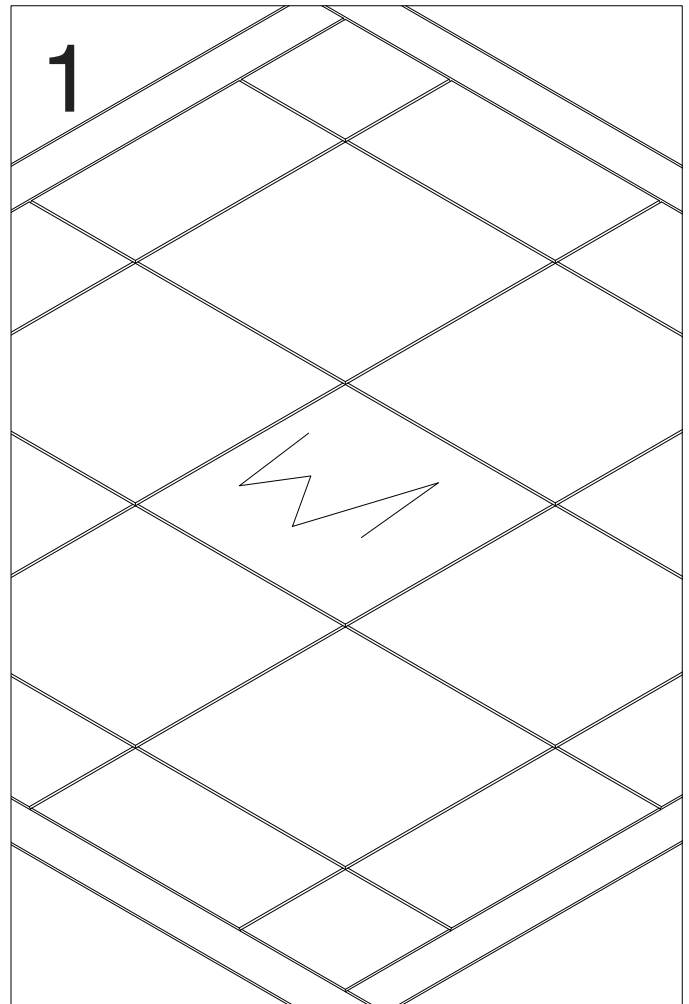
3

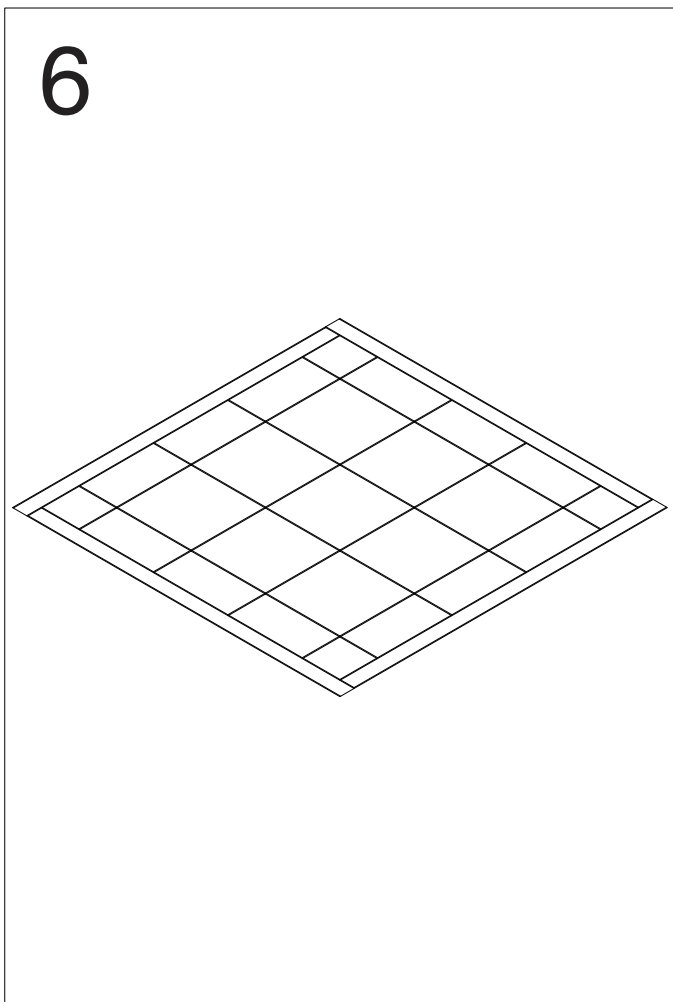
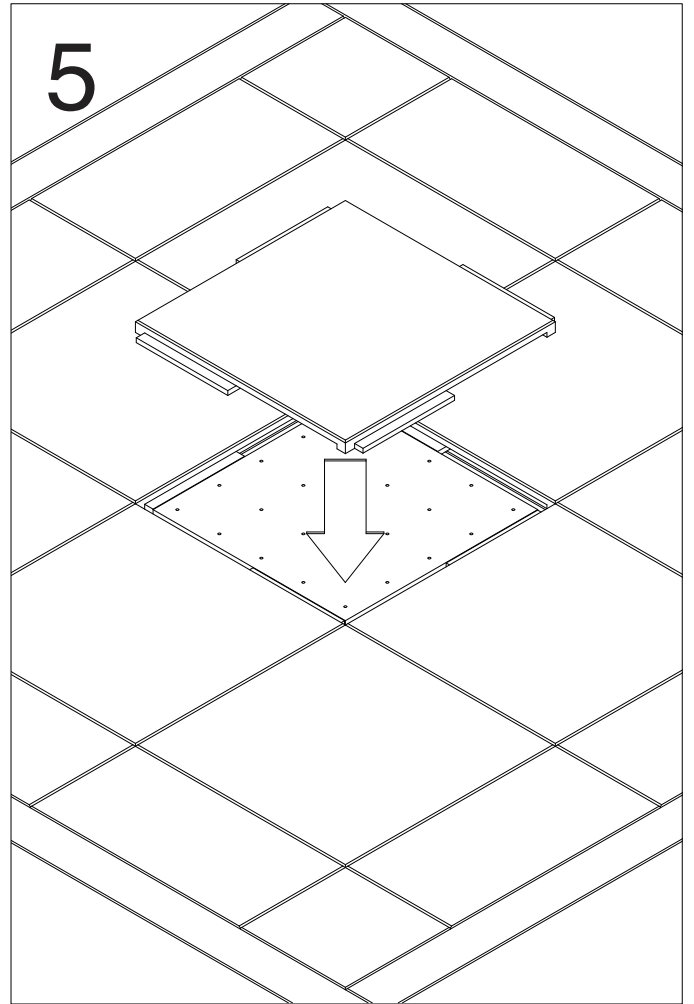
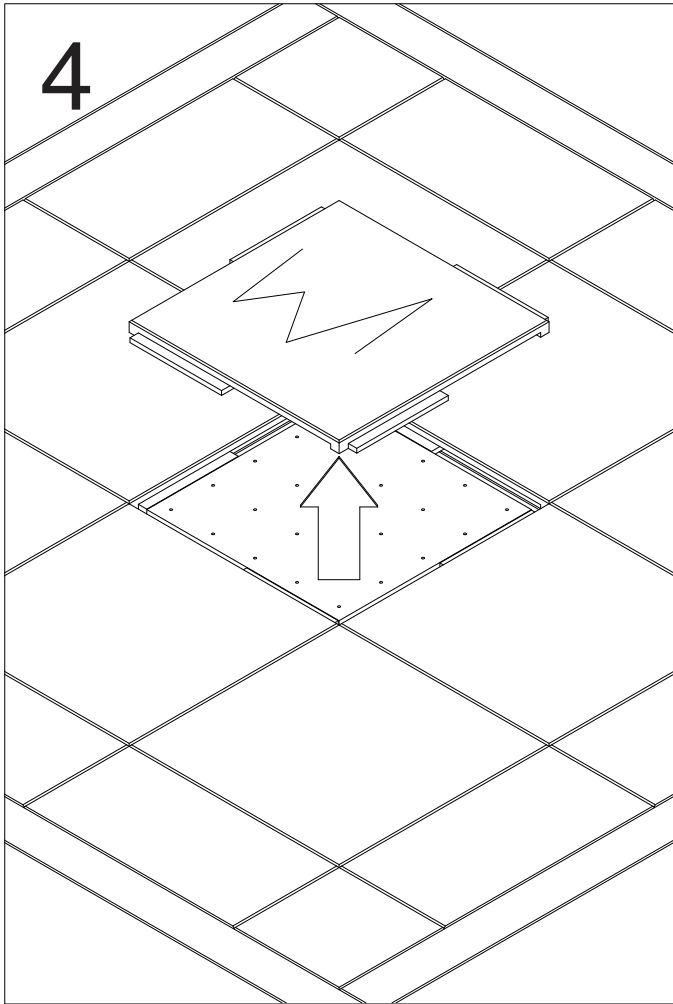




7. Replacement of a damaged impact-attenuating Tile

If the tiles are glued in place, use a utility knife or similar tool to cut through the adhesive. Then use a flat pry bar to gently lift the corners and separate the tile from the adjacent ones. Reinstall a new tile by following the steps in reverse order.





Safe Tiles AB
Box 3395
103 68 Stockholm
info@safetiles.com
Org.nr: 559473-7933