



ASSEMBLY
INSTRUCTIONS
CELOSIAS

D u r a l m o n d

StoneslikeStones GmbH®

Kreative Ideen für Wand und Decke



stoneslikestones.eu

D u r a l m o n d

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This installation system has been developed to establish a standard mounting system with which we can reduce installation times whilst guaranteeing quality and compliance with the CTE technical building code.

- Pieces must not be unpacked a long time prior to mounting, in order to avoid possible warping.
- Before beginning the installation, we must prepare the wall in order to place the pieces and define the most complicated joins, thus foreseeing all possible circumstances which might affect the installation. Depending on the project roadmap, we could pre-prepare all the special joins and the necessary pieces.



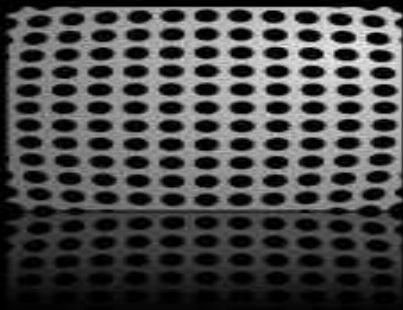
Organic 2400x1200mm



Classic 2400x1200mm



Ogival 2400x1200mm



Pop 2400x1200mm

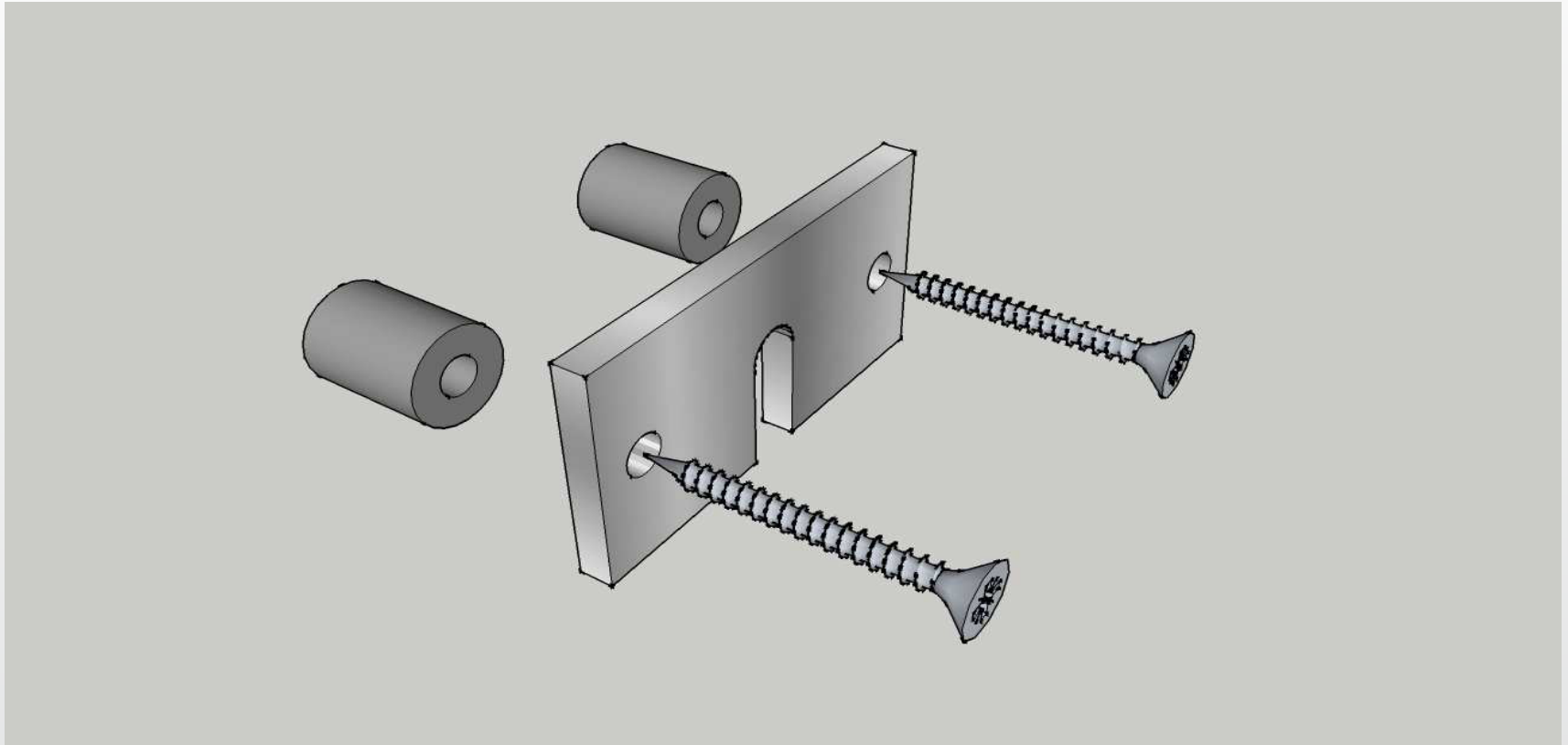


Ornamental 2400x1200mm



Urban 2400x1200mm

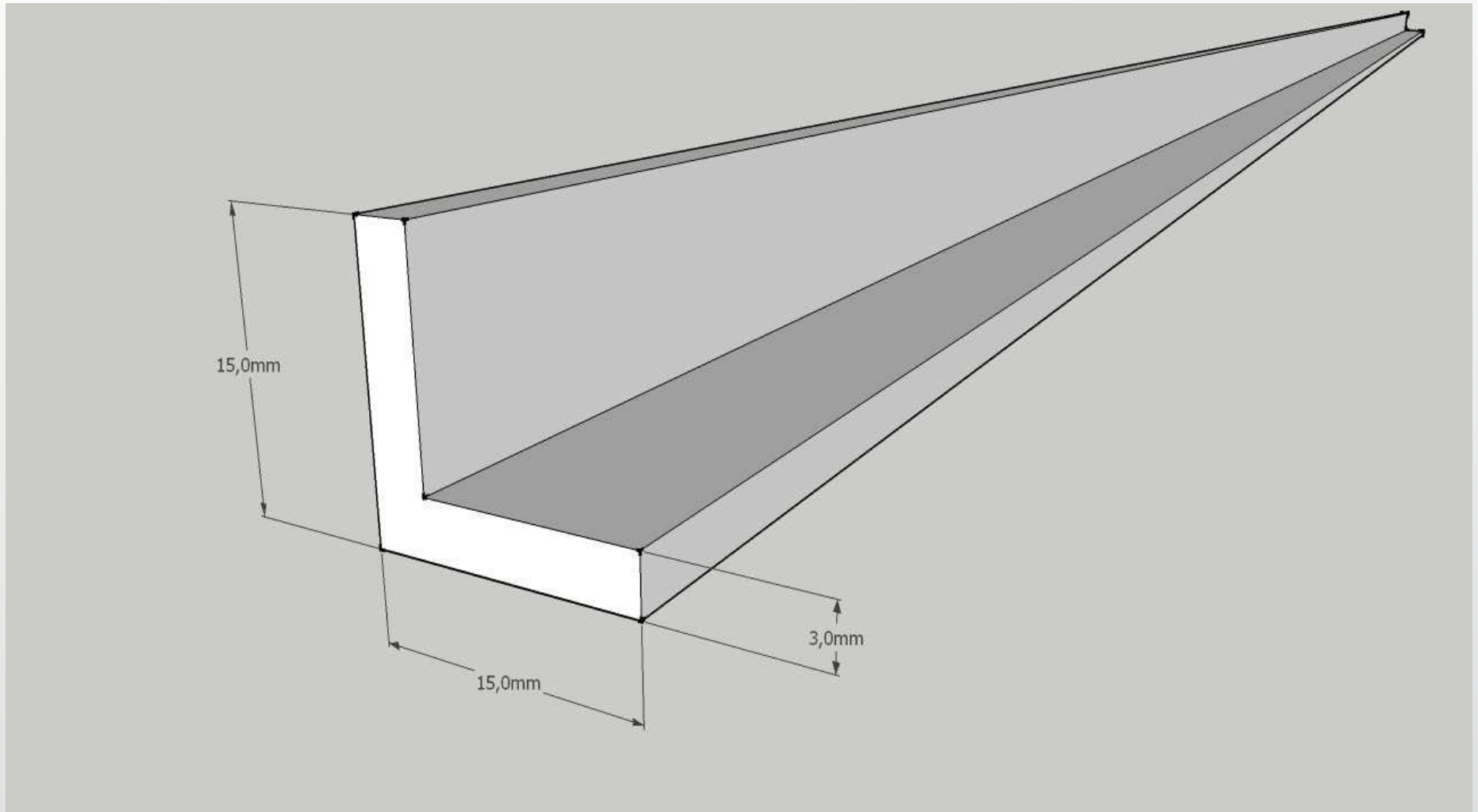
Panel or lattice size of 2400 x 1200 mm.
We can cut lattice pieces to special dimensions
depending on the needs of your project.



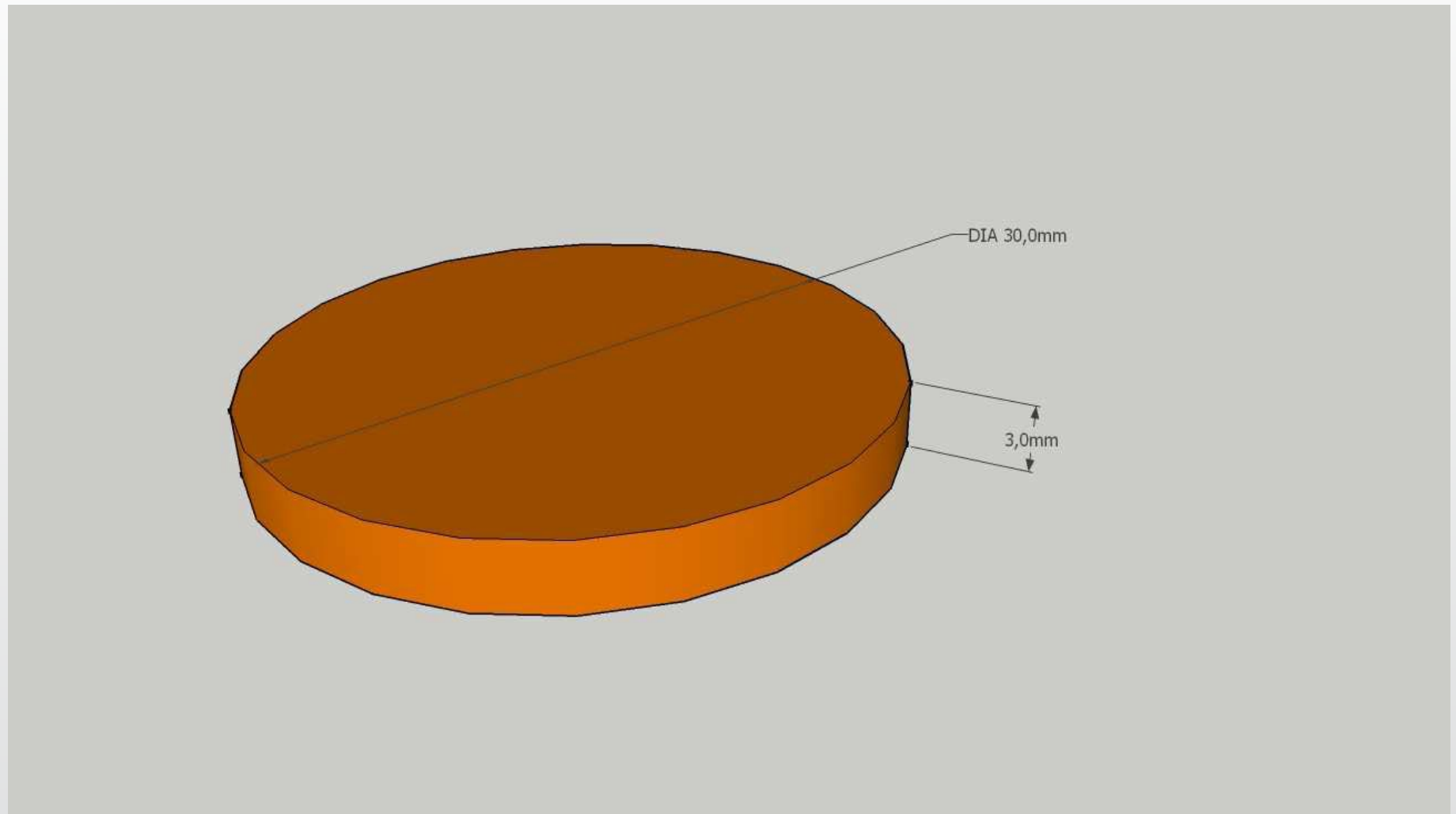
- anchor set

Pre-installed on the panels, made up of:

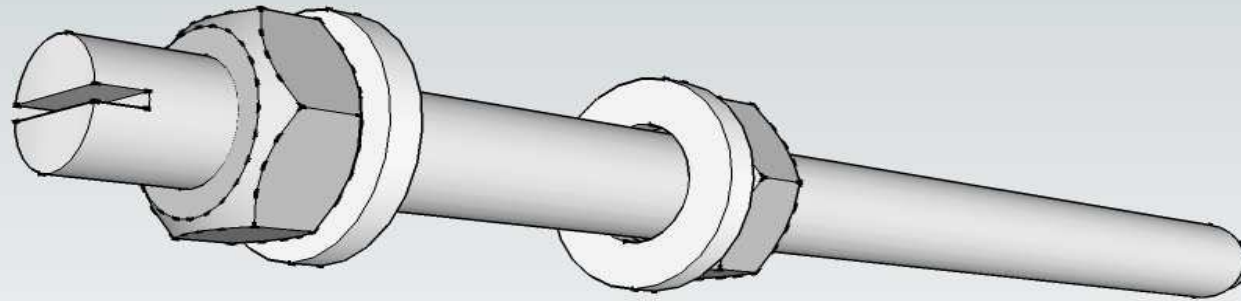
- 10mm-thick aluminium anchor plate
- Nylon plugs, 16mm in diameter and 25mm long.
- Phillips flat-headed counter-sunk threaded screws - M5.5x45 - DIN 7982 / ISO 7050



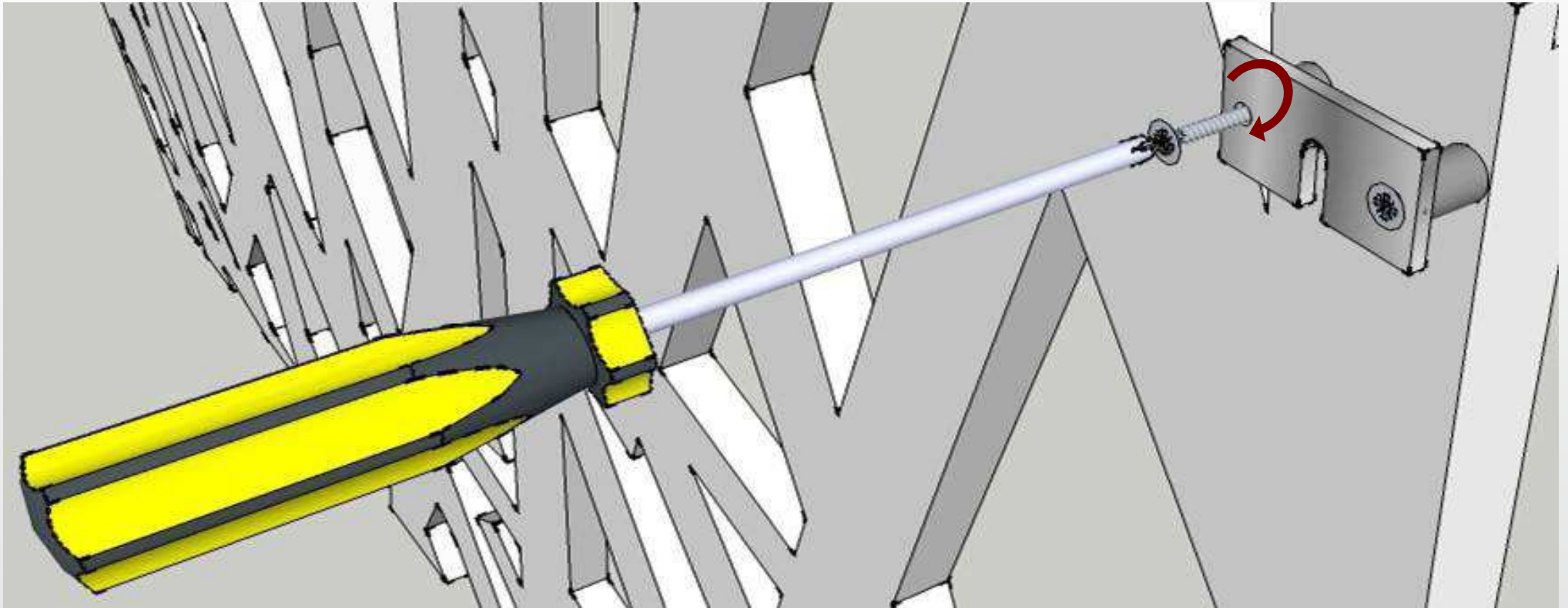
- L plate,
 - Nomalised aluminium 15x15x3.
 - Supplied in 6-metre bars



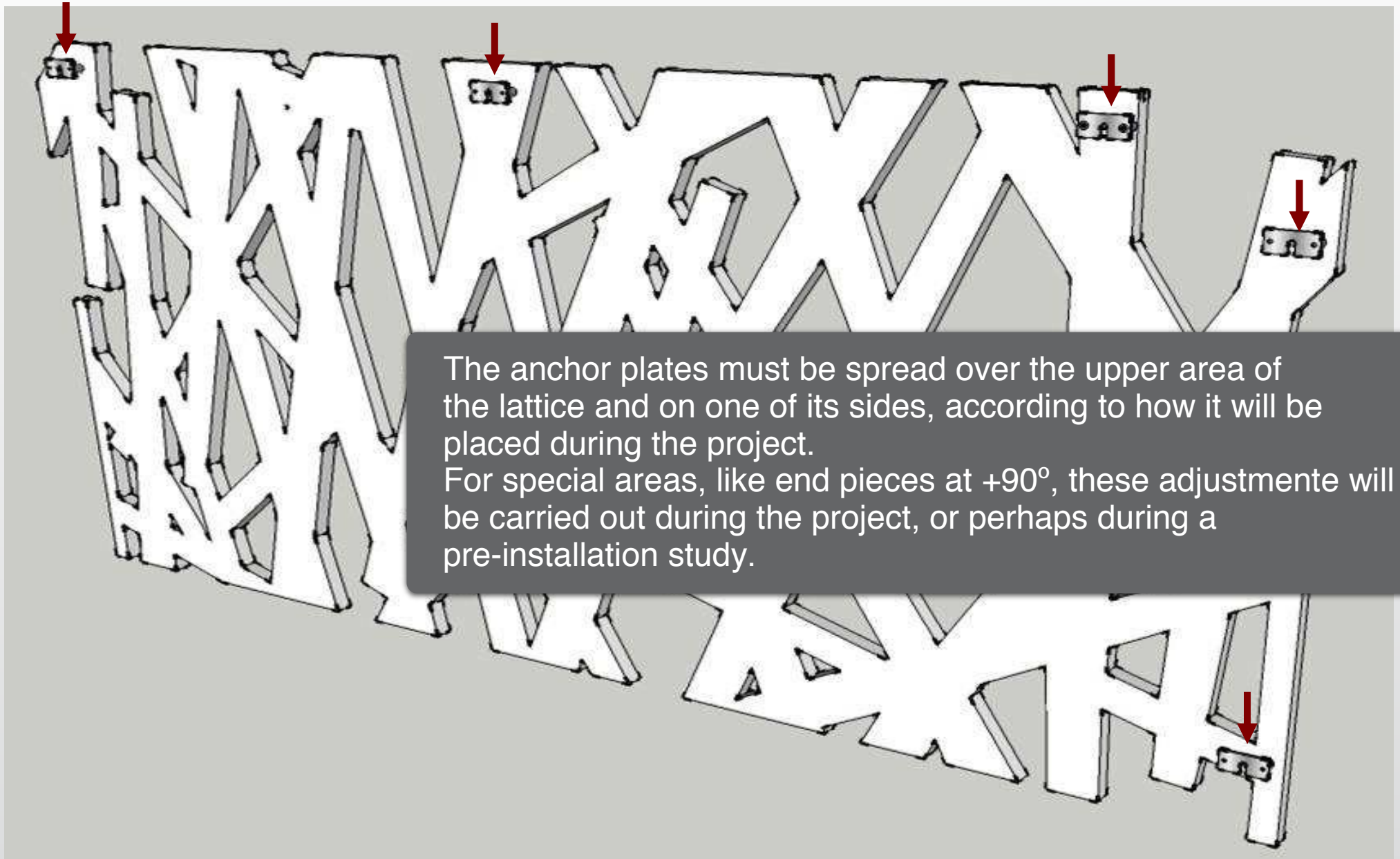
- alignment padding
guide and alignment system 30mm in diameter x 3mm thick



- HILTI anchor system
 - variable length threaded rod on order
 - fixing nuts and washers
 - chemical soldering in drilled hole
 - plug



All of the lattices will have, on their reverse side, a set of anchors installed in the factory. We can increase, vary or change the position of these anchors during the project if necessary. This is why the anchor plates need to be fixed to panels as indicated in the diagrams.



The anchor plates must be spread over the upper area of the lattice and on one of its sides, according to how it will be placed during the project. For special areas, like end pieces at $+90^\circ$, these adjustments will be carried out during the project, or perhaps during a pre-installation study.

During the project execution phase, the workmen must have the following equipment available to correctly carry out the installation.



Tape measure



Level



Screwdriver



Circular sander



Wrenches



Silicone gun



Drill



Drill bits



MD 2000 Applicator



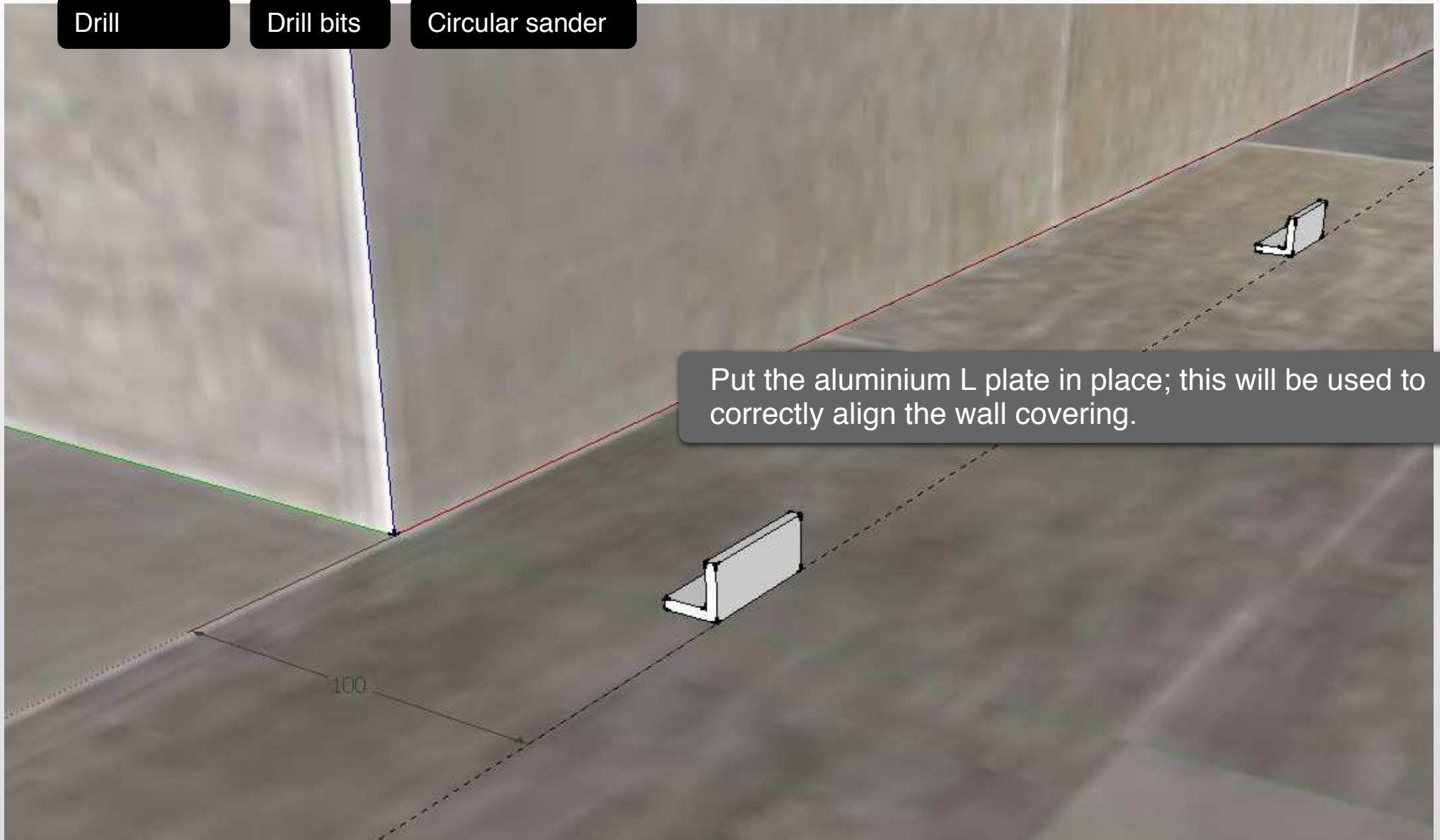
HIT-DL K Cleaning sheath



Drill

Drill bits

Circular sander

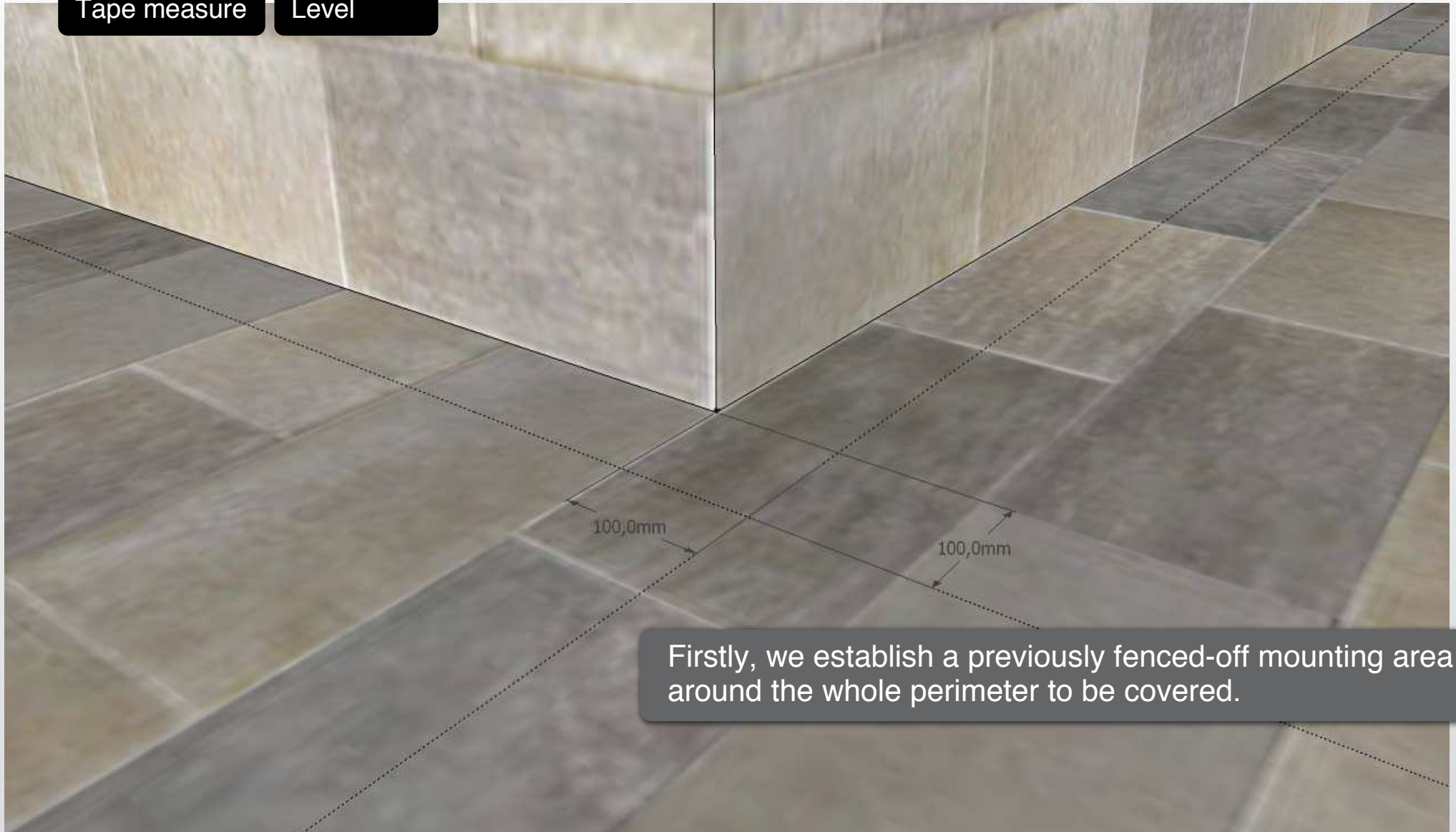




Tape measure



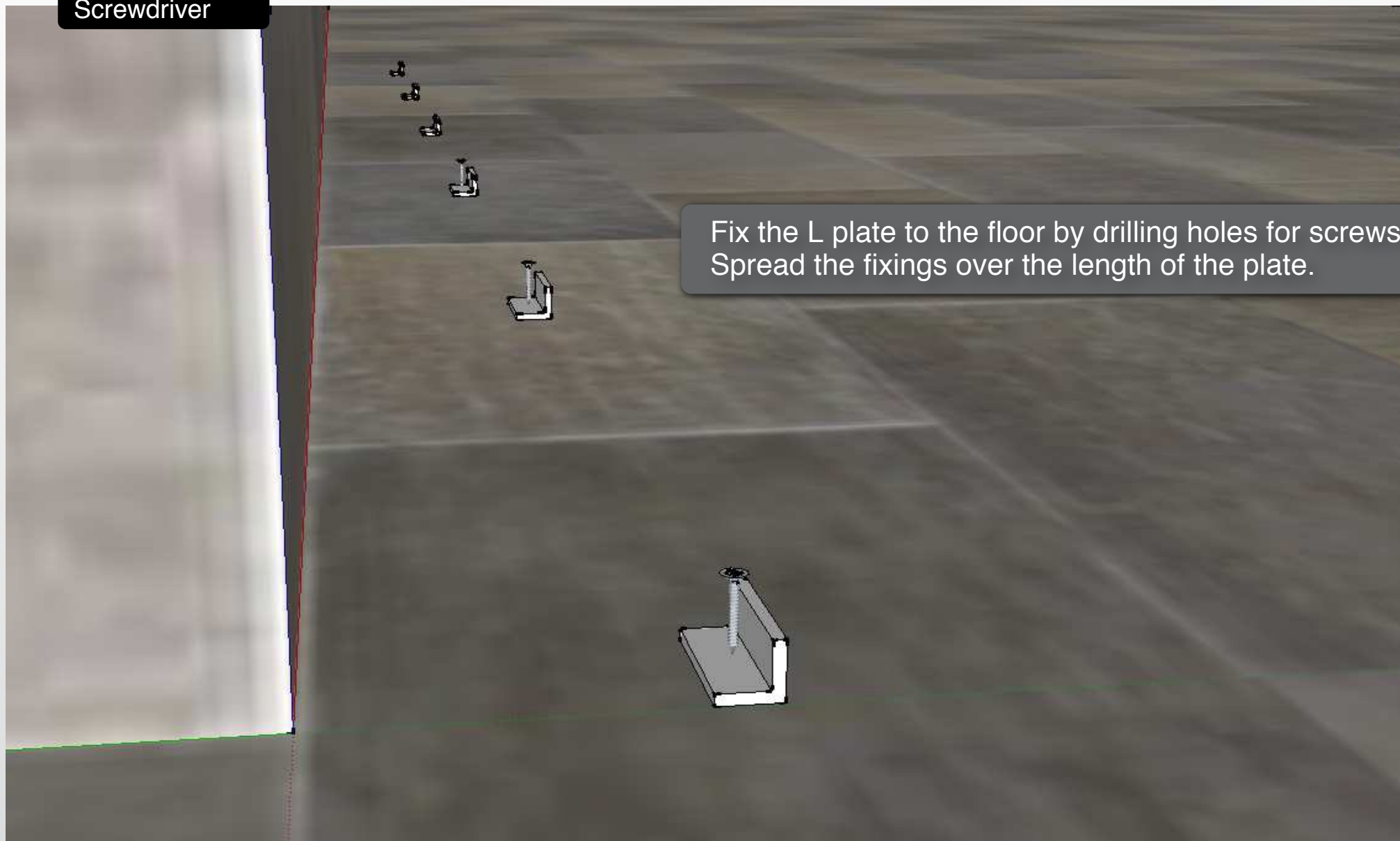
Level



Firstly, we establish a previously fenced-off mounting area around the whole perimeter to be covered.



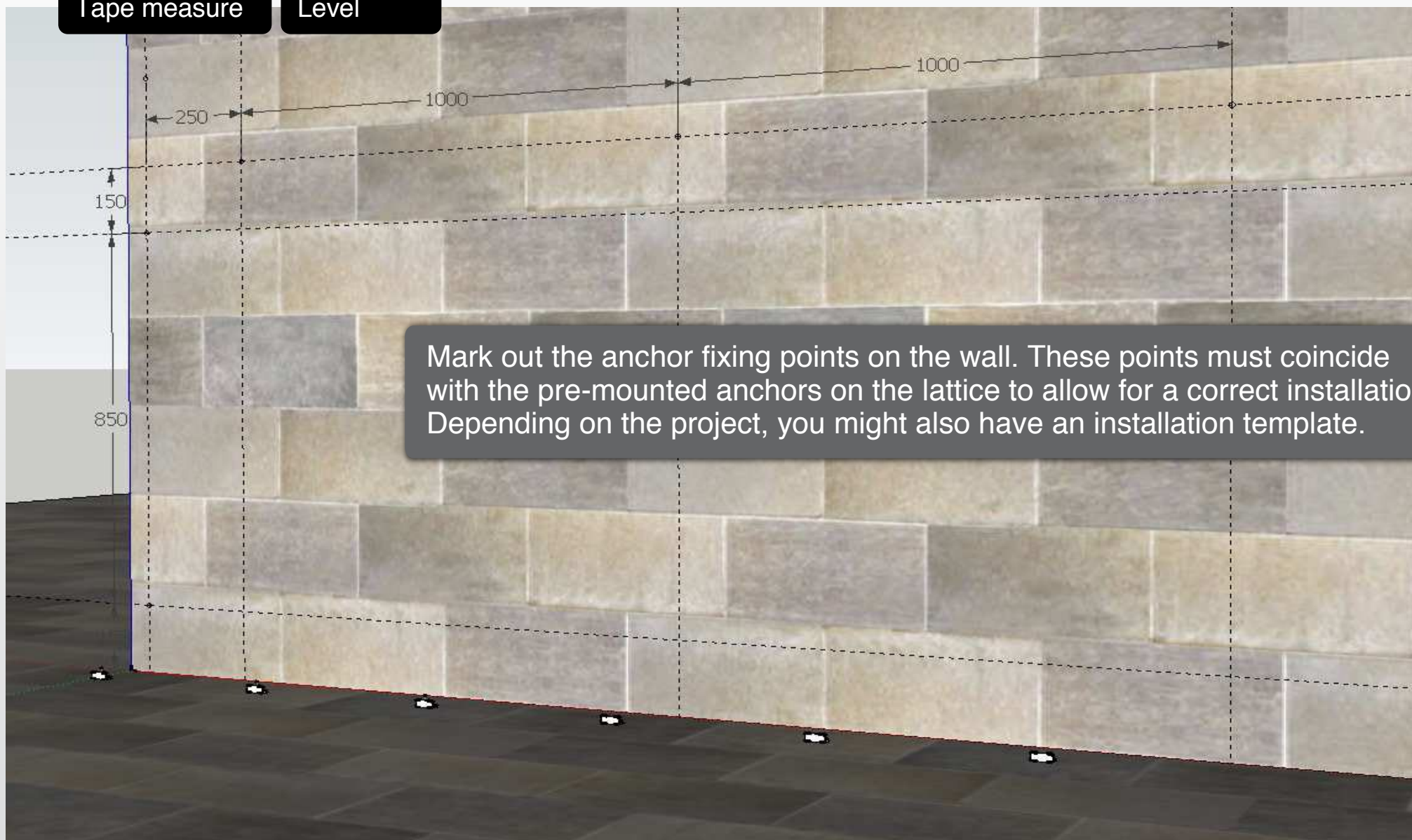
Screwdriver





Tape measure

Level





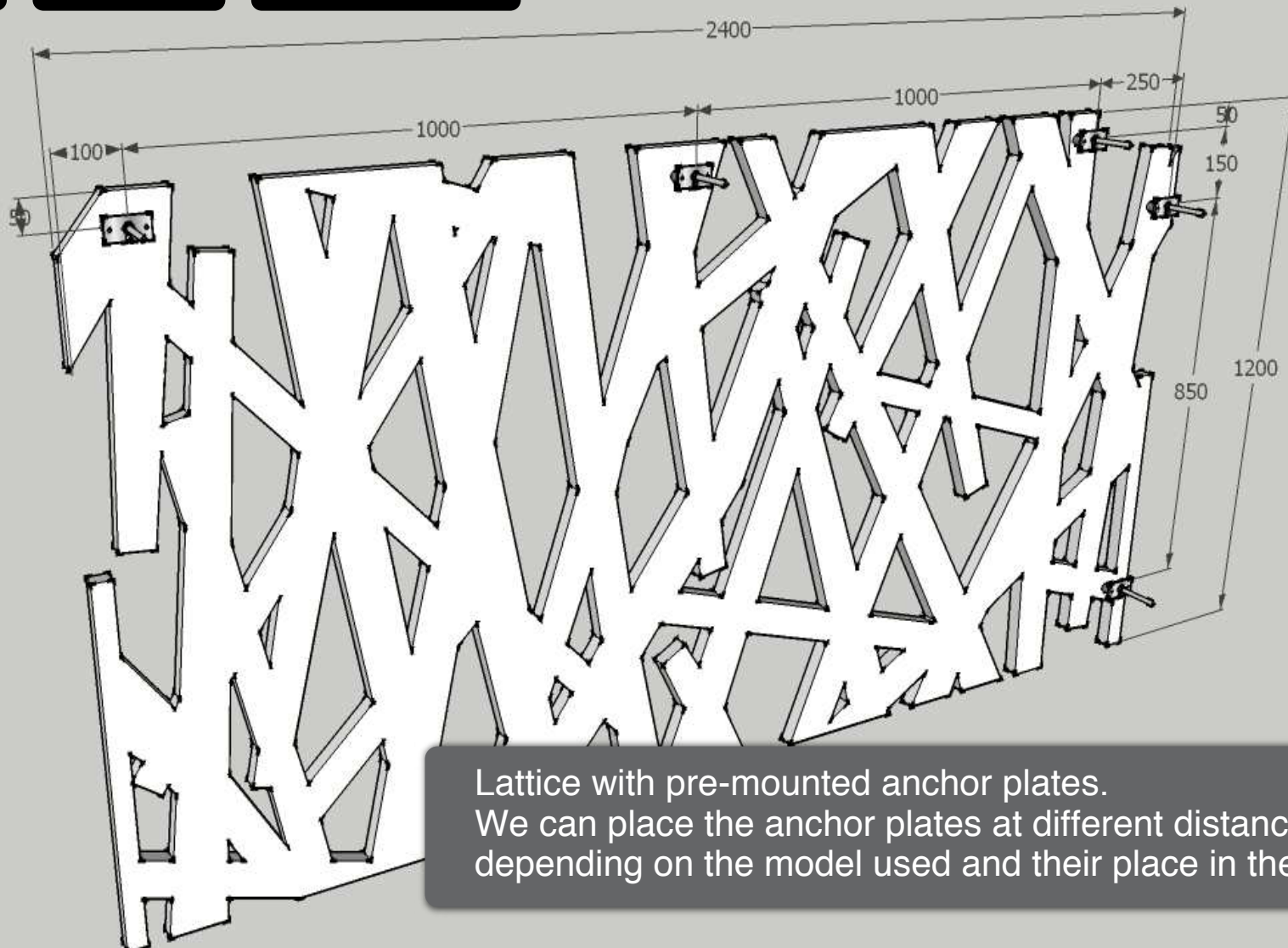
Tape measure



Level



Screwdriver



Lattice with pre-mounted anchor plates.
We can place the anchor plates at different distances,
depending on the model used and their place in the project.



HIT-DL K Cleaning sheath



Put the wall plug in the previously drilled and cleaned holes.

Warning!

You only need to use the plug if the structure is not uniform or hollow.
If you're working with concrete, you don't need to install the plug.



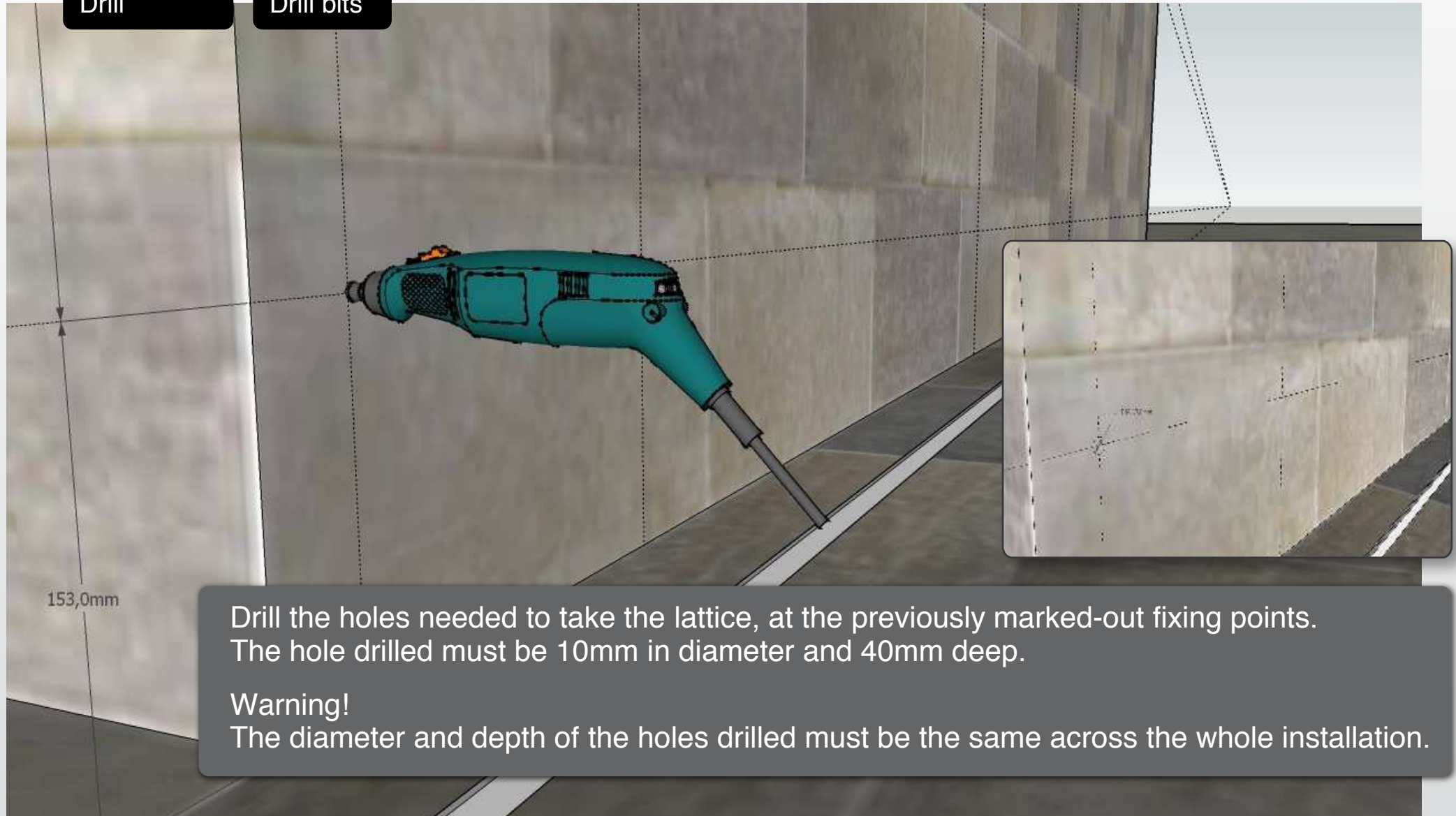
Duralmond

step by step **18**



Drill

Drill bits



153,0mm

Drill the holes needed to take the lattice, at the previously marked-out fixing points. The hole drilled must be 10mm in diameter and 40mm deep.

Warning!

The diameter and depth of the holes drilled must be the same across the whole installation.



MD 2000 Applicator



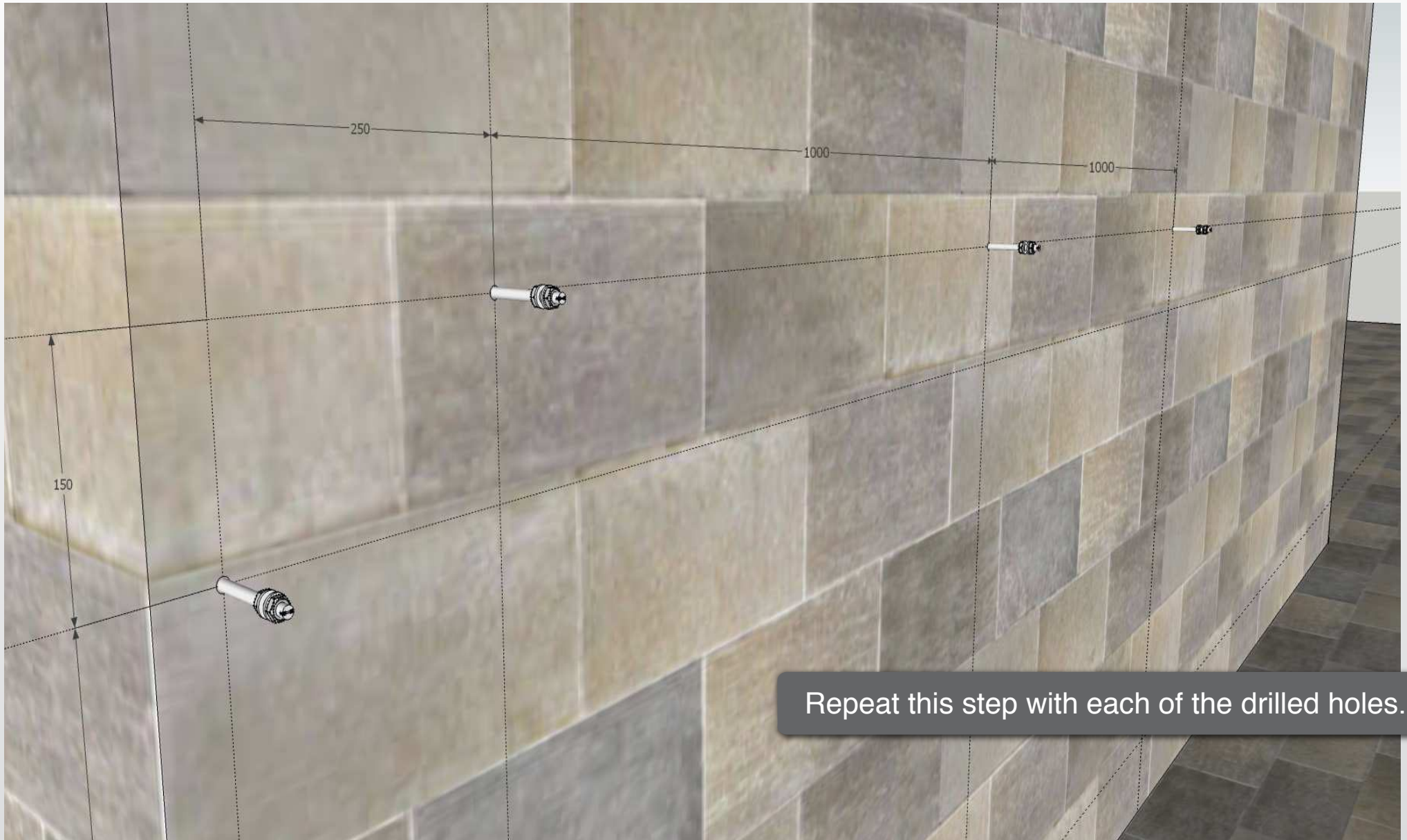
Inject the chemical solution into each drilled hole.

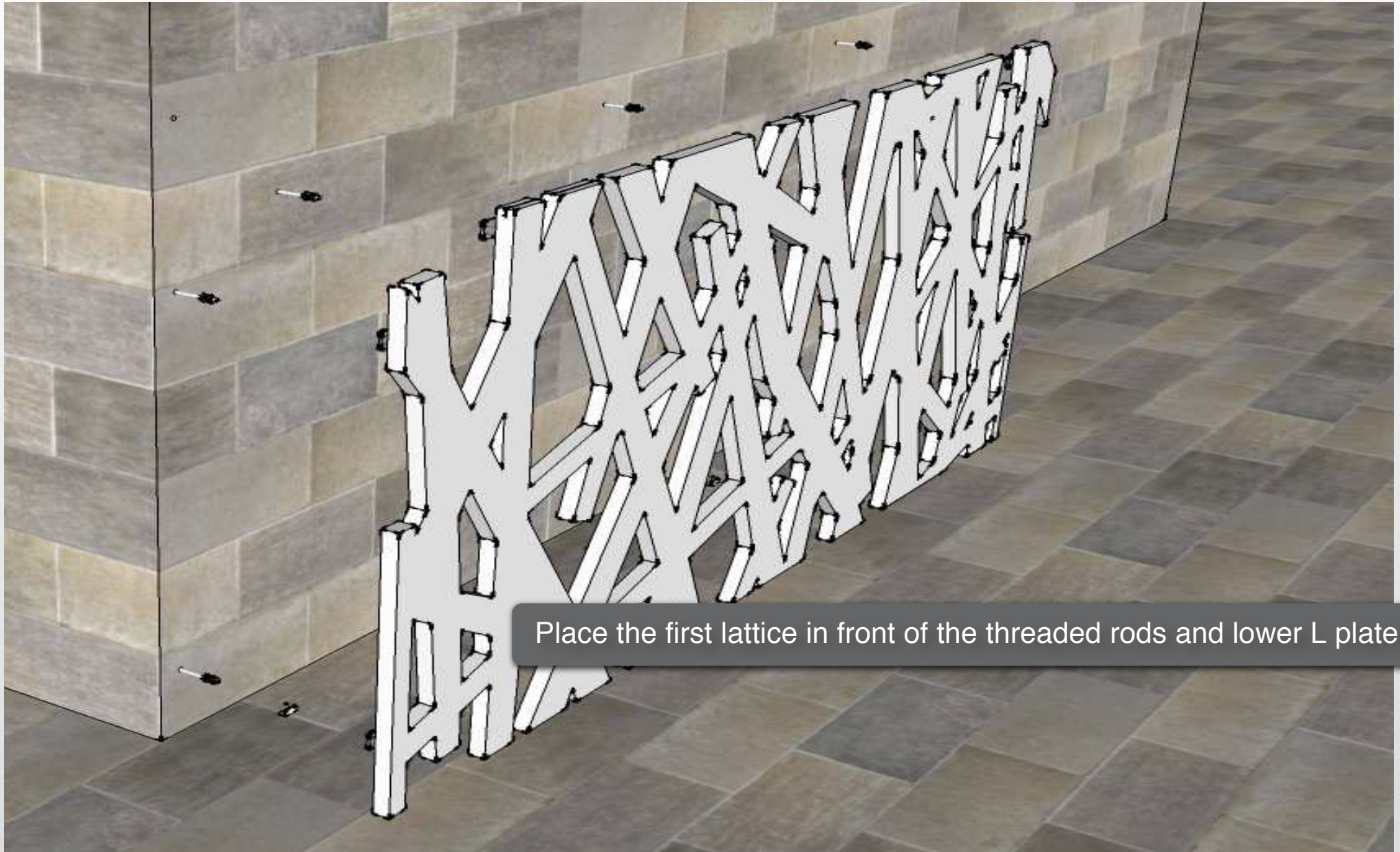


Place the threaded rod set in the hole, torque / counter-torque, with the mesh and chemical solution.

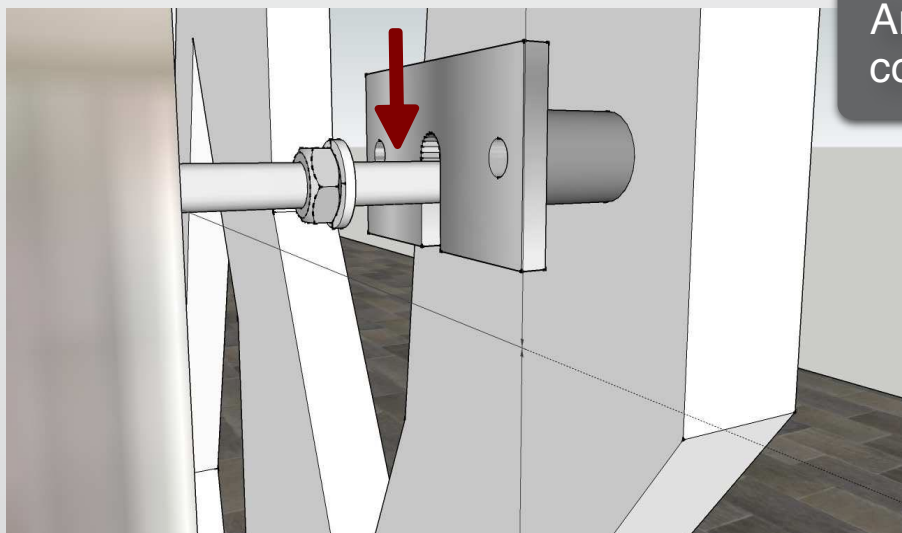
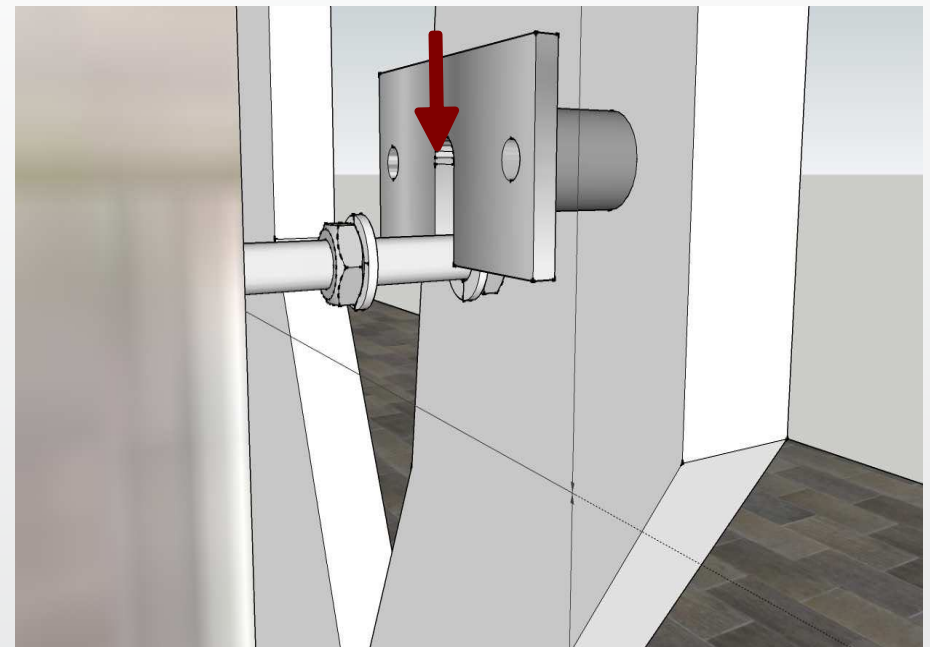
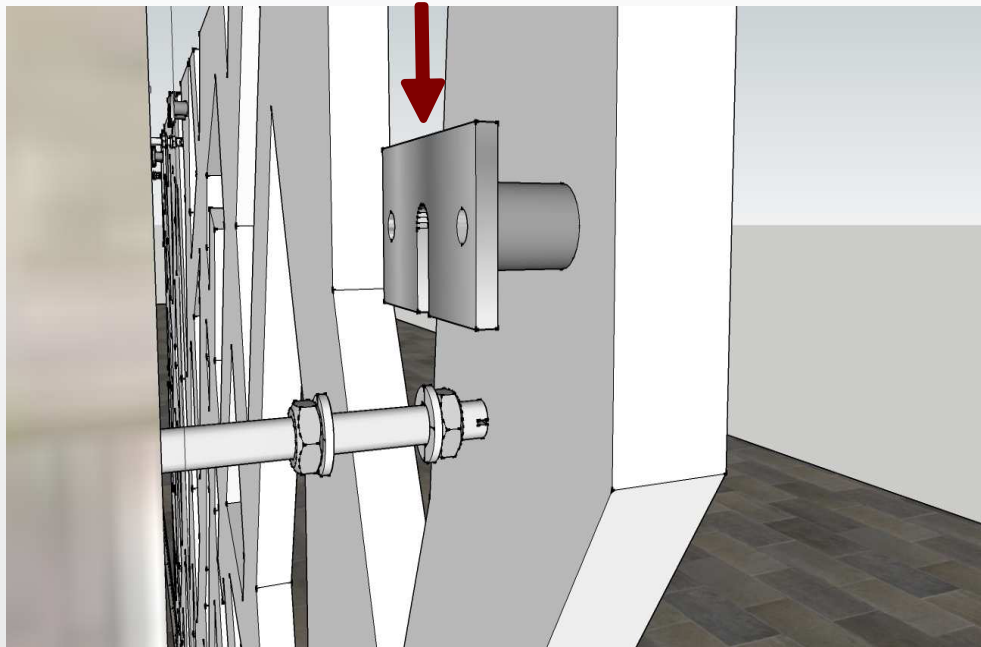


Let the chemical solution react and create a solder between the threaded rod, the chemical solution and the drilled hole.





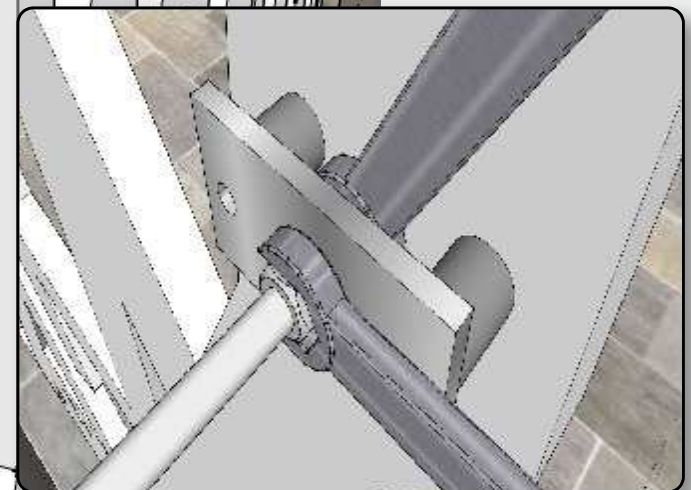
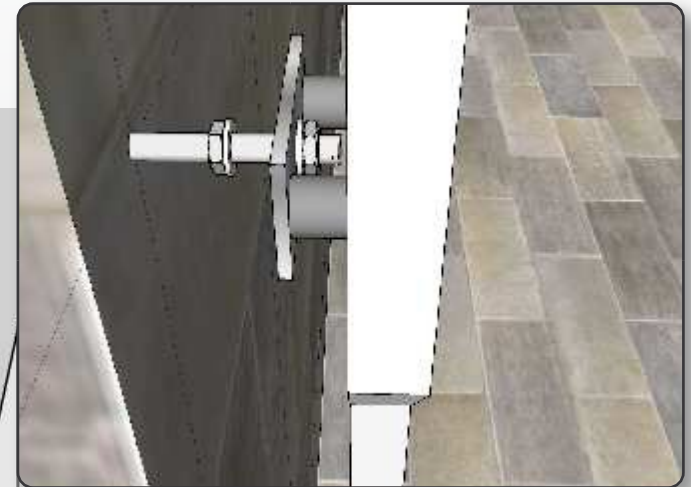
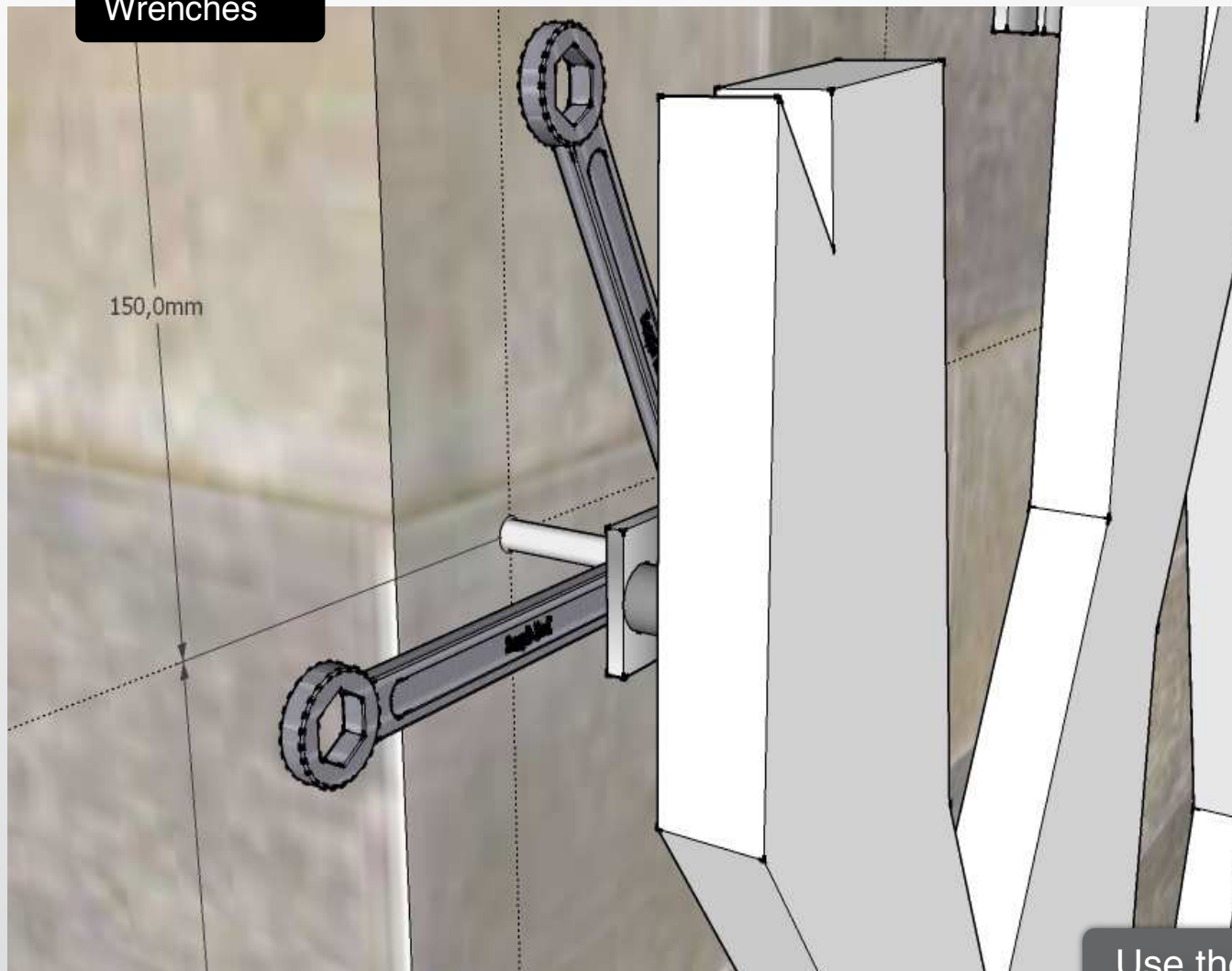
Place the first lattice in front of the threaded rods and lower L plate.



Anchor the lattice between using torque and counter-torque in all of the anchor points.



Wrenches



Use the torque/counter-torque system to fix the lattice to the threaded rod.



Duralmond



step by step **27**

Tape measure

level

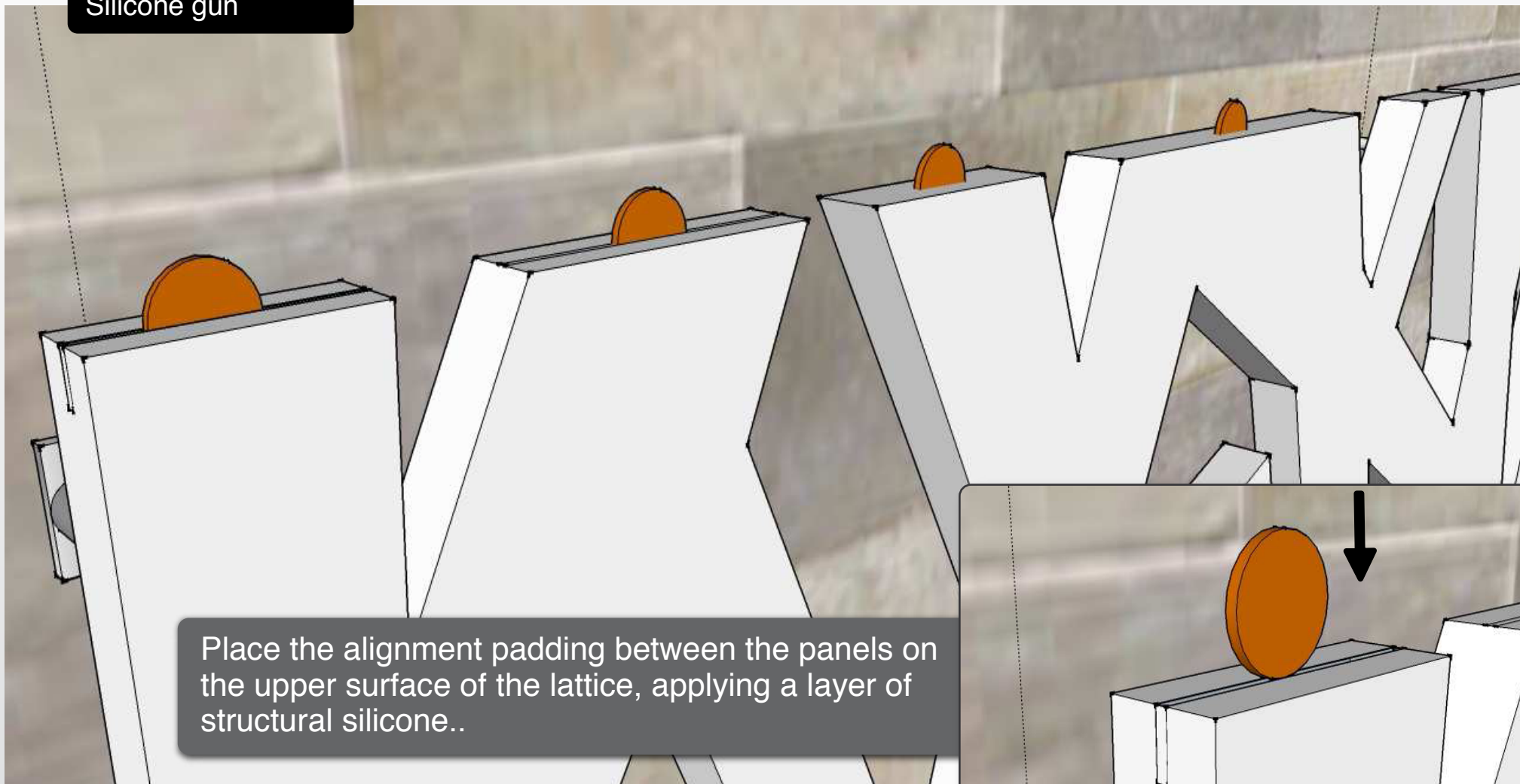
Wrenches



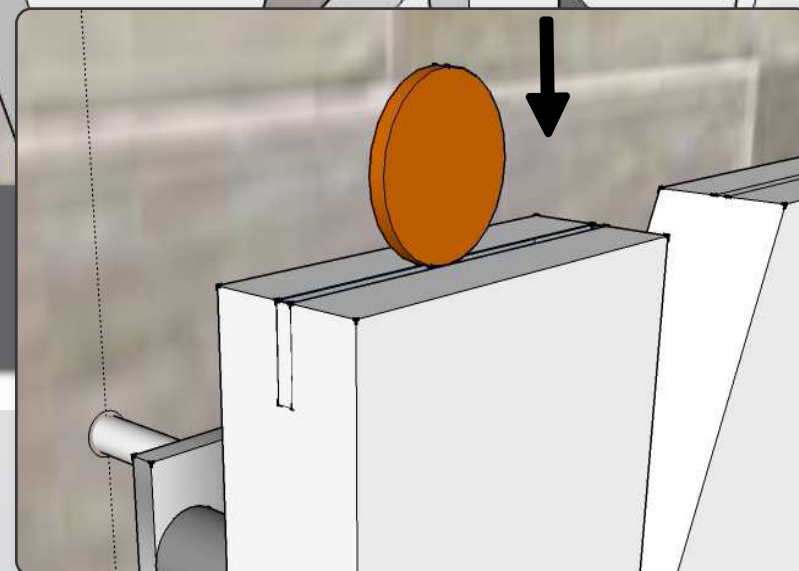
Repeat this step for each adjoining panel.
Check they all line up correctly.



Silicone gun



Place the alignment padding between the panels on the upper surface of the lattice, applying a layer of structural silicone..





Duralmond

step by step 29



Tape measure

Level

Drill

Drill bits

Mark out and drill the holes for the upper lattice, taking into account the distance between and number of anchor points pre-mounted on the lattice.



Duralmond

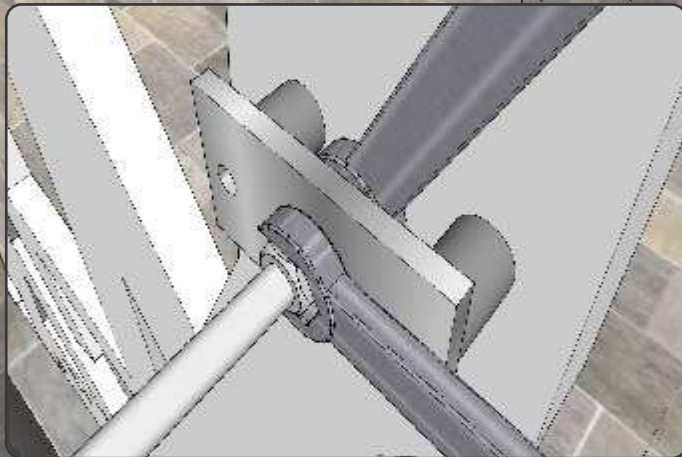


step by step **30**

Tape measure

Level

Wrenches



Repeat this step using the torque/counter-torque system and the alignment padding between the walls.
Install each of the upper panels one after the other



Tape measure



Level



Wrenches

Duralmond

step by step

31



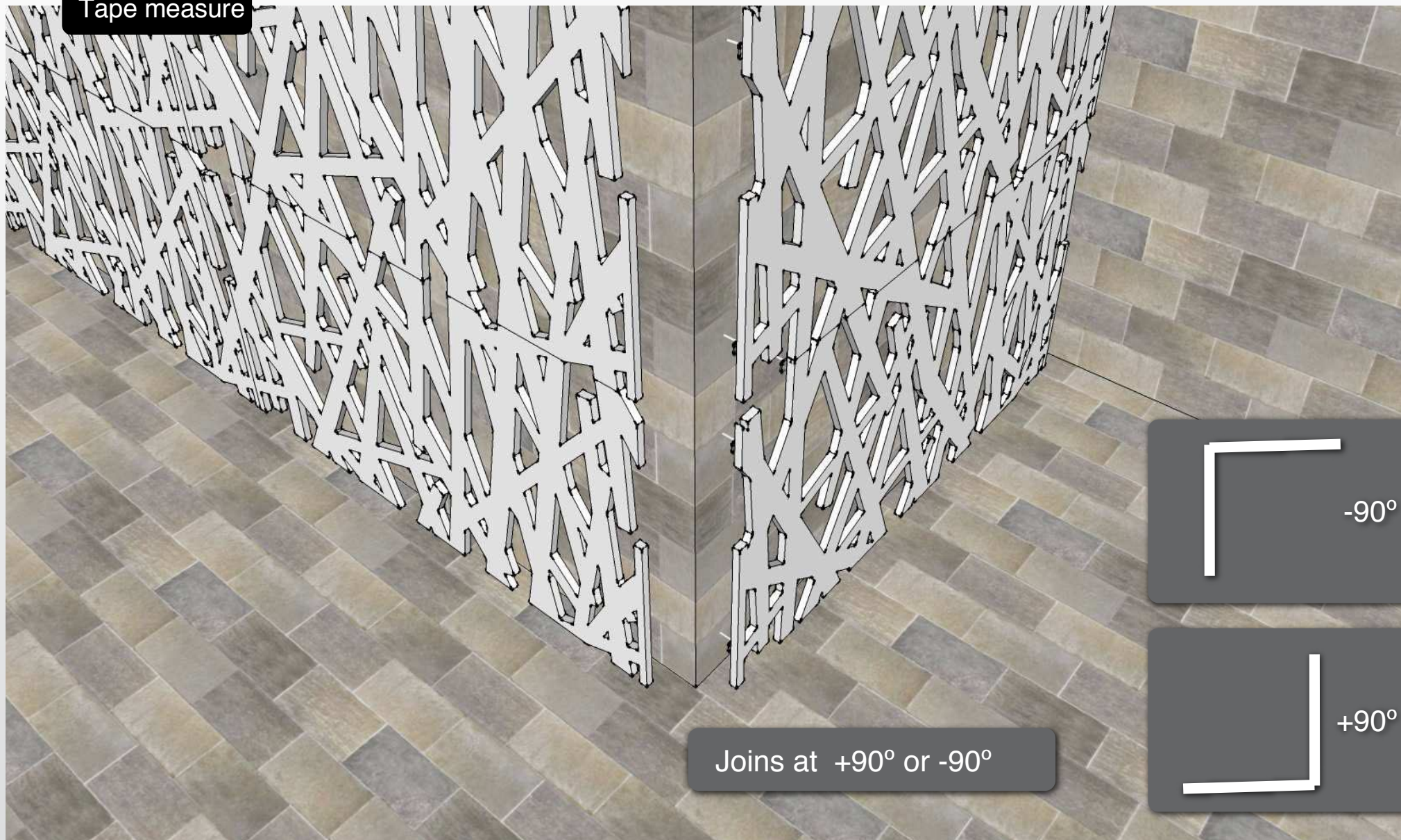
Check the correct placement of the lattices you have installed.



Duralmond

step by step **32**

Tape measure



Joins at $+90^\circ$ or -90°

-90°

$+90^\circ$

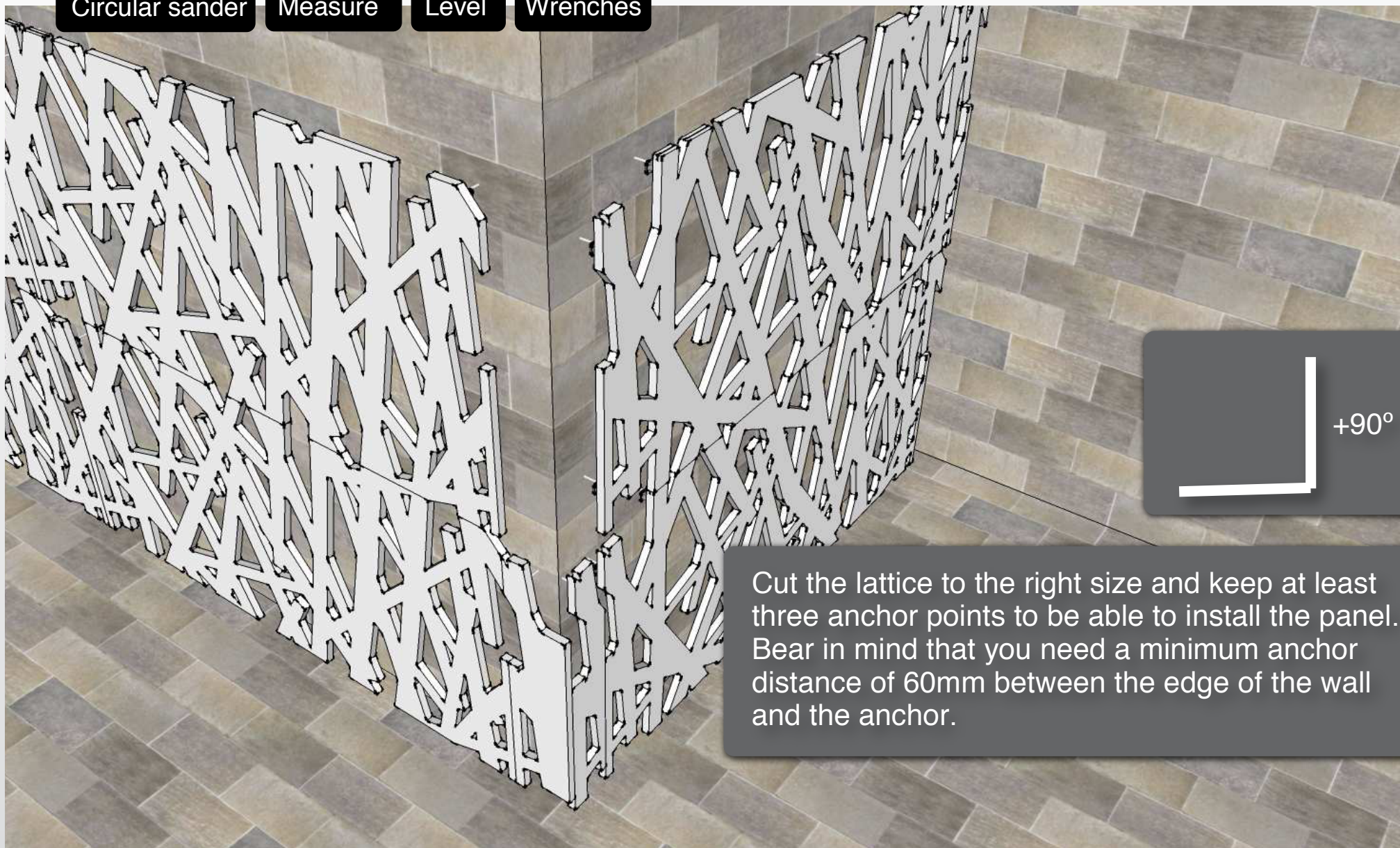


Circular sander

Measure

Level

Wrenches



+90°

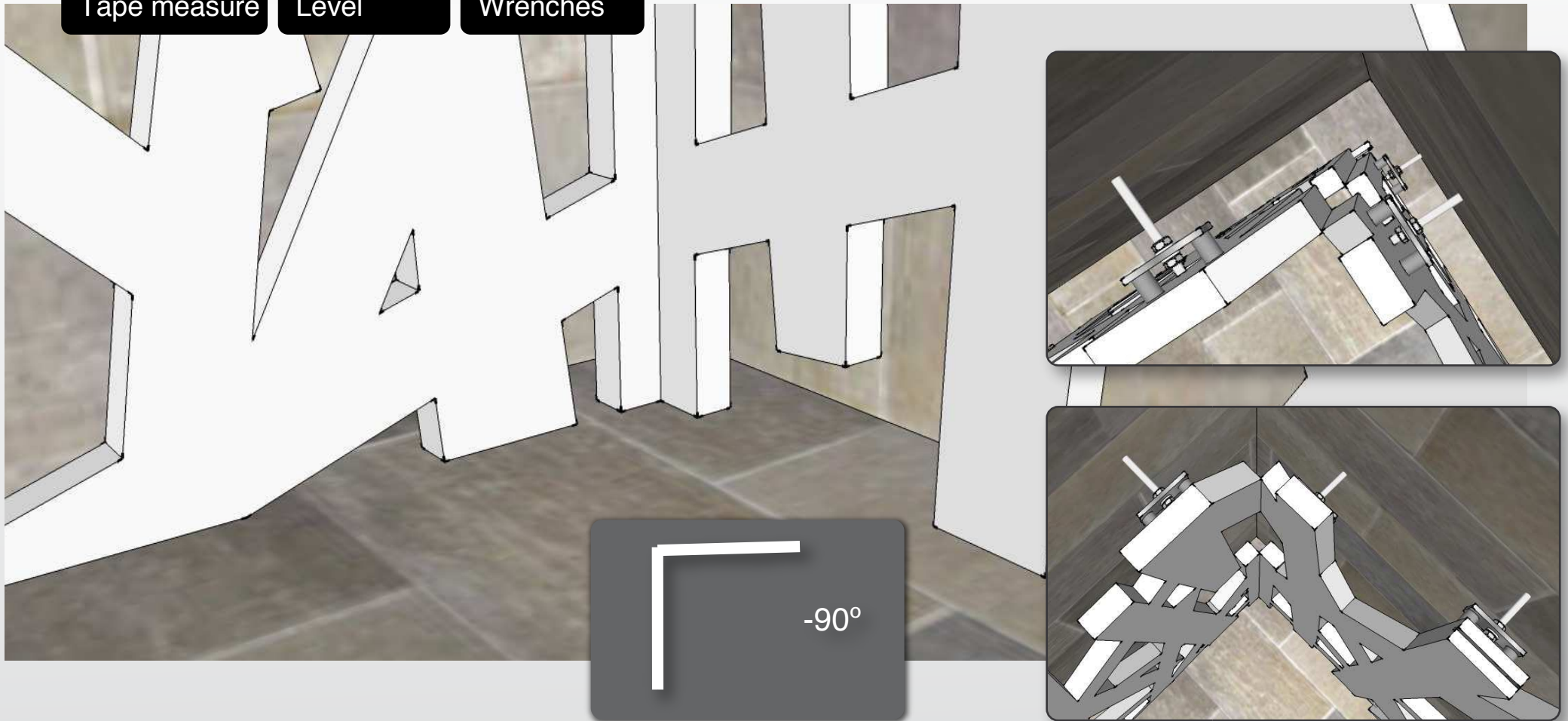
Cut the lattice to the right size and keep at least three anchor points to be able to install the panel. Bear in mind that you need a minimum anchor distance of 60mm between the edge of the wall and the anchor.



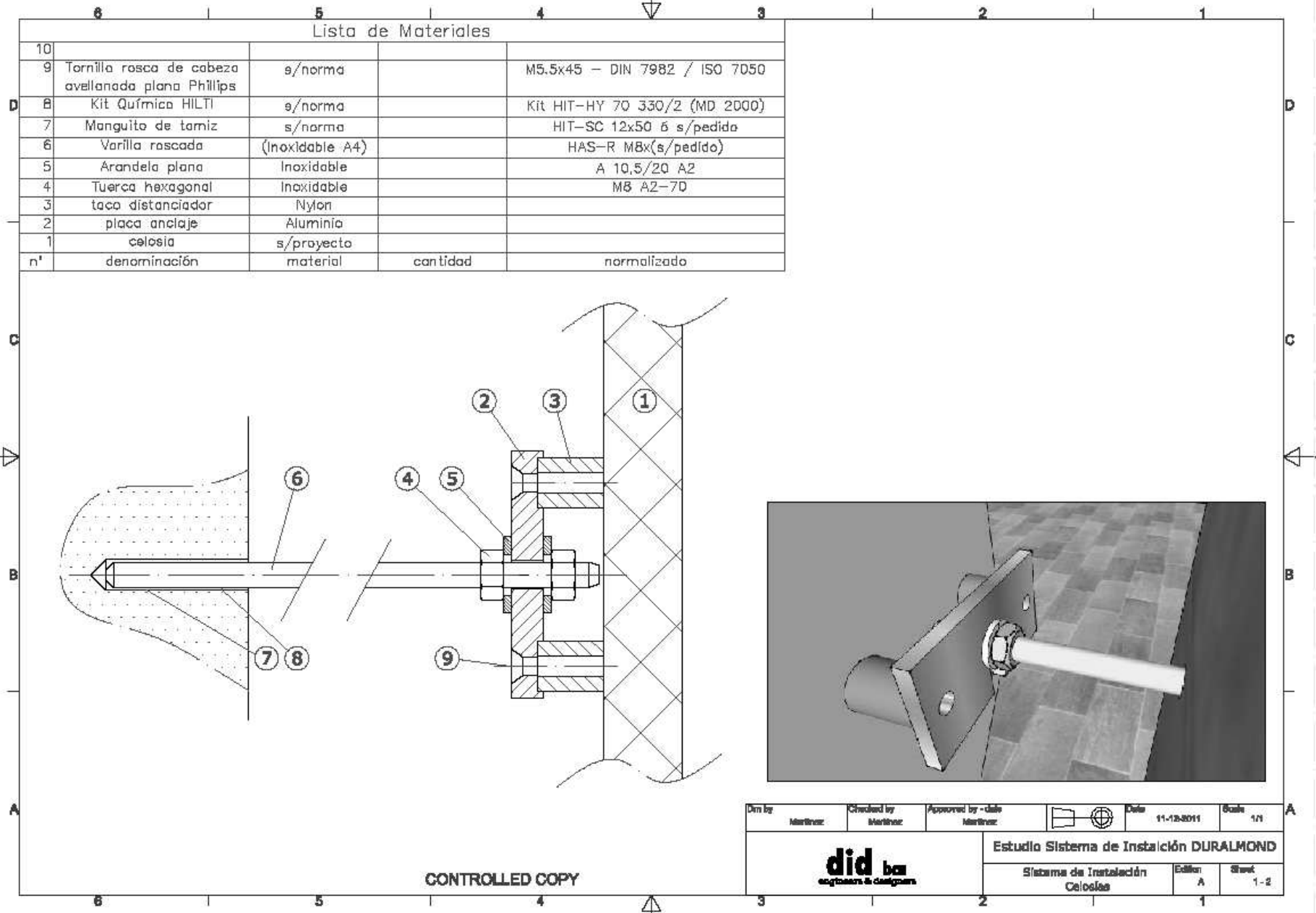
Tape measure

Level

Wrenches



The join between two lattices at -90° , must be made like a beginning and end panel piece in order to properly install them.



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