The files in this folder offer templates for lasercutting layered pieces from wood for use on Tilescape. Each template is offered as a .dxf and .ai (Adobe Illustrator). All parts can be laser cut from standard wood sheets. We recommend 6 mm thick sheets.

The figure on the right shows the template files and how they are stacked on Tilescape. Different number of 1_height_piece can be glued together for different levels of elevation. We recommend to use a mold for glueing from the inner shapes cut out for creating the pieces and sanding the resulting shape after glueing. Afterwards, the pieces require painting, with recommended colors shown on the figure per shape. We recommend a matte paint finish. After painting, glue the files for 1 together and do the same for 2, which can then be stacked ontop of each other.

The 2_top_piece_surface can be modified to include 2D icons or 3D shapes to represent meanings. 3D shapes can be freely designed and glued ontop. We recommend creating 2D icons by including cut-out shapes in the lasercutting, which then shows the surface of the black 2_top_piece_base underneath to create a contrast. Using stickers is an alternative, but may add reflections to the top-down projections.

2_top_piece_surface (white)

2_top_piece_base (black)

1_height_piece (top & sides: white; bottom & inside: black)

1_height_piece_base (black)