Skema for Sketchup

2D Proj
SKEMA 2D PROJECTION
SKEMA DXF EXPORT
ver. 0.1.1 beta
2D Projection

Project 3d geometry onto 2d section plane.
How to:

Method 1:
- Select a section plane.
- Click on the Skema Projection Icon.
- Adjust parameters and press “ok”.

Method 2:
- Select a section plane and some entities you want to project.
- Click on the Skema Projection Icon.
- Adjust parameters and press “ok”.

- Mode: Solid
- Transparency: Yes
- Projections: Front
- Front Deep: 1000,00cm
- Rear Deep: 500,00cm
- Hierarchy: Flatted
- Collect: No
- Max el. Time: < 30 sec.
- Section: Yes
Apply Geometry transparency according to material’s transparency.

Select Front, Rear or Both projections.

Set the deep of field for rear projection.

Replicate the same nesting structure of the 3D objects.

Create a unique group for all surfaces and curves.

Create section contour lines.

Set rendering mode:
- Wireframe
- Wireframe Silhouette
- Solid WireFrame

Apply Geometry transparency according to material’s transparency.

Set the deep of field for front projection.

Replicate the same nesting structure of the 3D objects.

Stops Elaboration after max time.

Settings:

- **Mode**: Solid
- **Transparency**: Yes
- **Projections**: Front
- **Front Deep**: 1000.00 cm
- **Rear Deep**: 500.00 cm
- **Hierarchy**: Flattened
- **Collect**: No
- **Max el. Time**: < 30 sec.
- **Section**: Yes

Options: Cancel, OK
Rendering Mode:

- Whireframe
- Whireframe Silhouette
- Solid Whireframe
- Solid
- Solid WireFrame
Transparency:

This parameter will take track of the materials’ transparency.

Transparency “Yes”.

Transparency “No”.
Projections:

Select “None” to generate only section lines.
Projections deep examples:
Hierarchy:

Replicate the same structure of the 3d model inside the projection group.

Doesn’t replicate the structure of the 3d model inside the projection group.
Collect:

Max elaboration time:

Create section contour lines:
How to:

Method:

• Select a Projection Group.

• Click on the Skema “to XY” Icon.

• Your Projection Group will be put on the ground plane.
How to:

Method:

• Select a Projection Group.
• Click on the Skema “DXF” Icon.
• Choose the drawing units.
• Choose a file destination and name.
• Your Projection Group will be exported in DXF format.
• Skema DXF export will replicate layers, colors and hidden line style from your Sketchup Projection Group.
From SKP to DXF:

A “Cad like” Style inside Sketchup.
Note the structure of the layers.

The Projection Group exported into DXF format.
Note the respect of the colors of the layers and their similar organization.