SKETCH Like an Architect

DRAWING PERSPECTIVE MADE EASY

The Tools I Use

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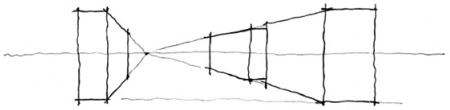
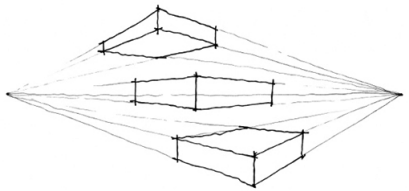
Types of Perspective

What are different types of perspective and when you should use them?

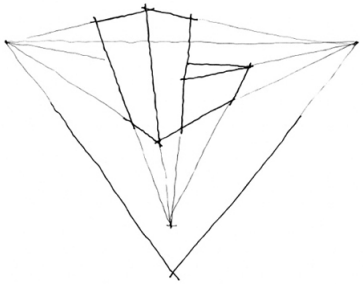
- Atmospheric Perspective
- Linear Perspective
  - 1-point perspective
  - 2-point perspective
  - 3-point perspective
  - Multi-point perspective
- Curvilinear Perspective
  - 4-point perspective
  - 5-point perspective
  - 6-point perspective



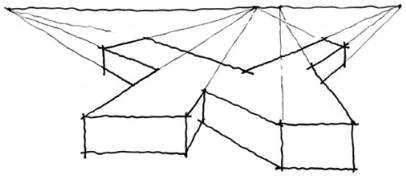
1-point perspective



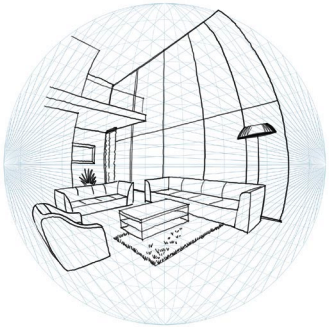
2-point perspective



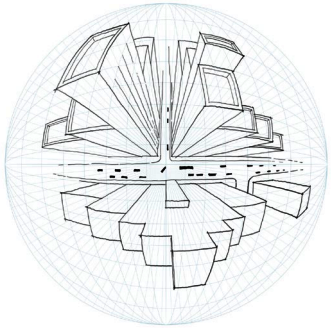
3-point perspective



Multi-point perspective



4-point perspective



5-point perspective

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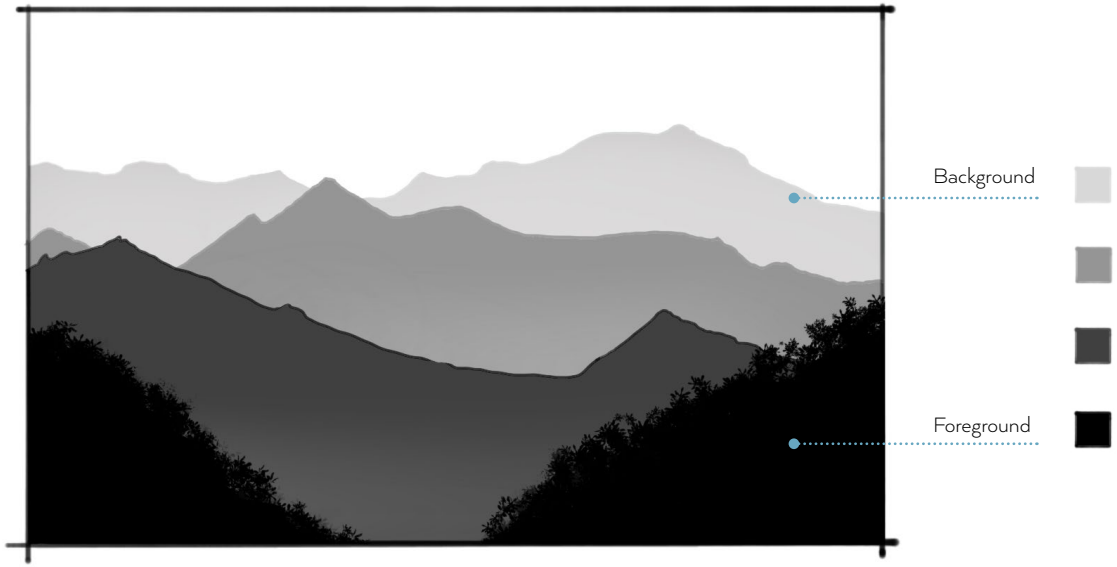
Aerial Perspective

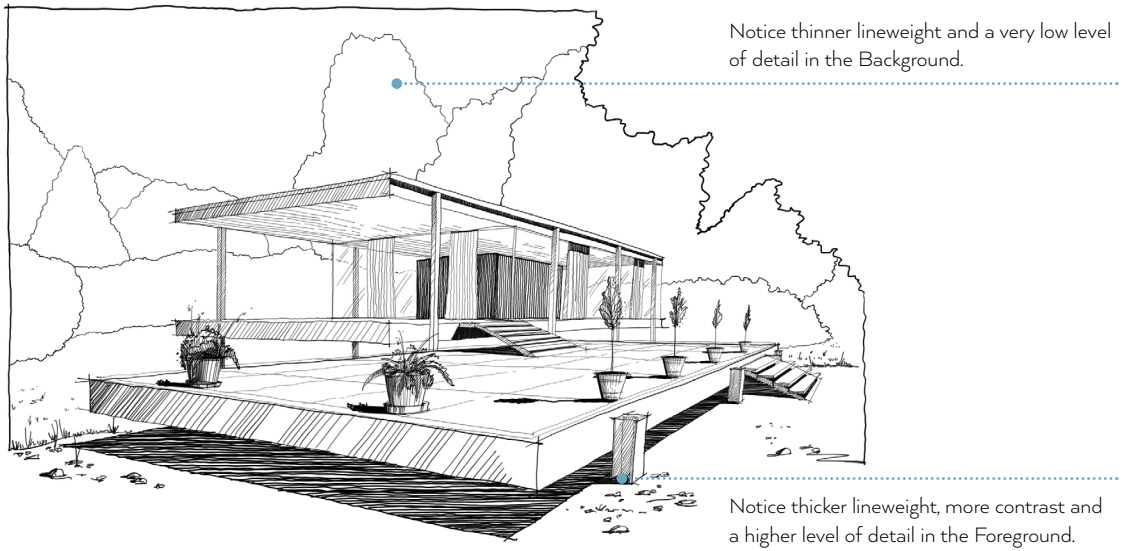
Atmospheric, or aerial perspective is a different type from linear perspective.

While linear perspective is based on lines and geometry, atmospheric one deals with changes of tonal value and has been traditionally used mainly in painting.

This technique creates an illusion of depth in an image. Because of the 'thickness' of atmosphere, more distant objects from the viewer appear less saturated, with lower contrast, and paler/brighter than the closer objects.

However, atmospheric perspective can be also applied to line-based drawings. See the example on this page for more details.





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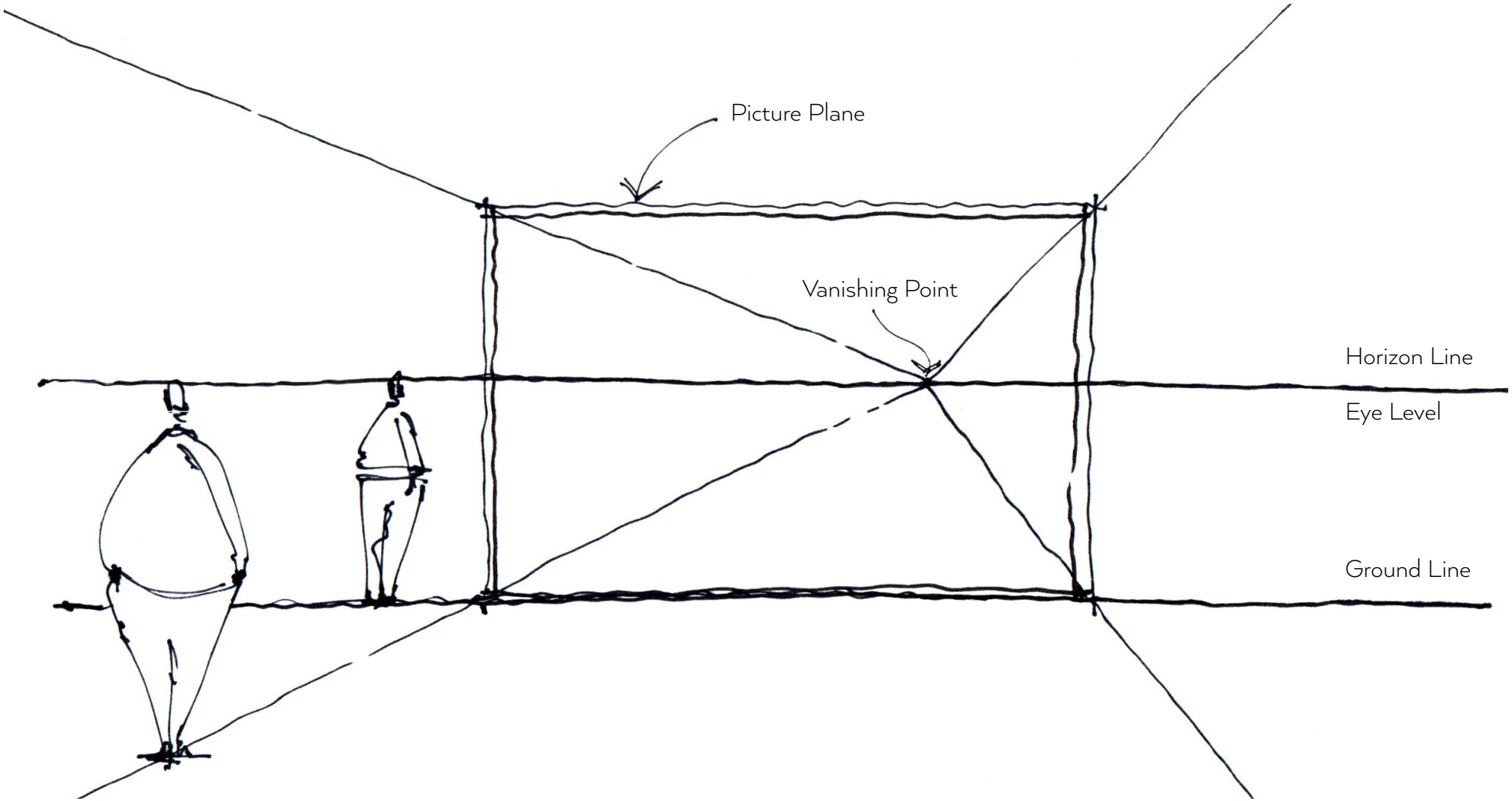
5 Elements of Perspective



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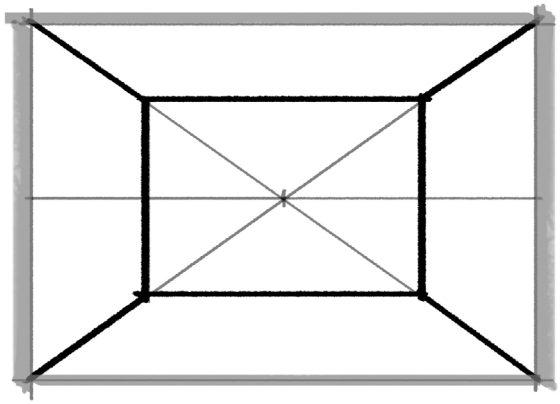
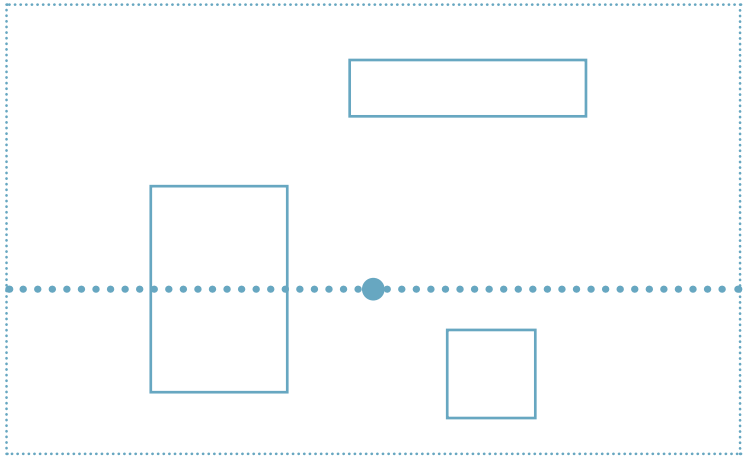
1-Point Perspective

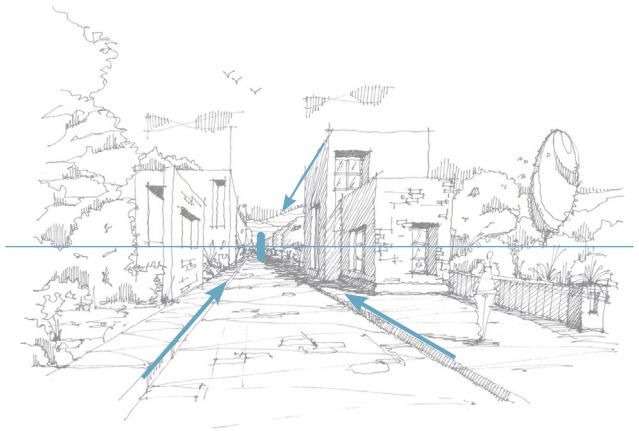


Frontal Interior View Structure (Central Perspective)

Frontal Interior View

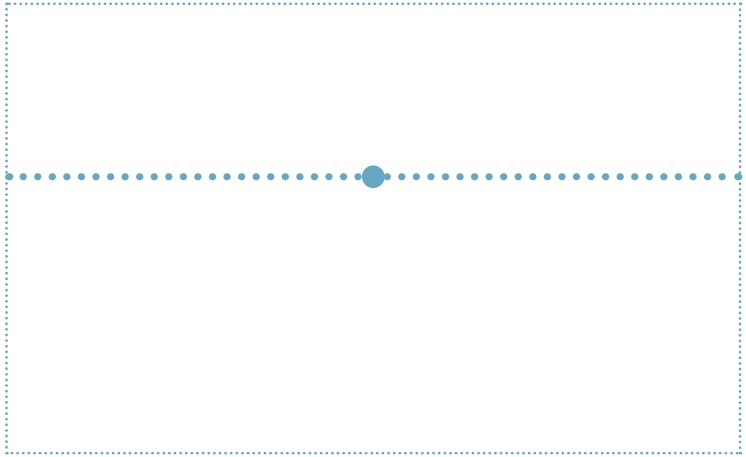


Your Turn!



Horizon Line, Vanishing Point, and Orthogonals of a Frontal Exterior View

Frontal Exterior View



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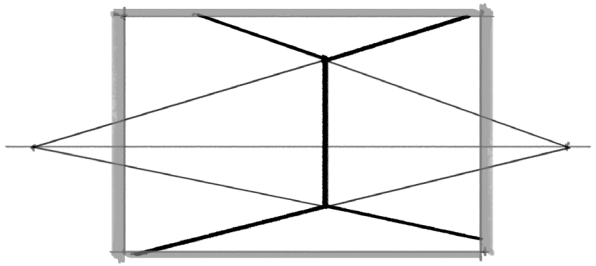
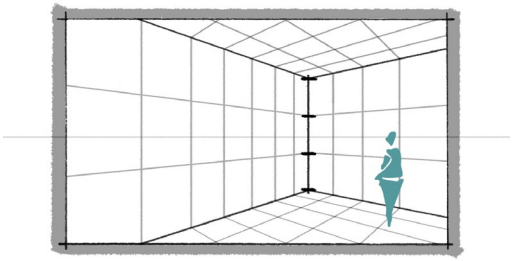
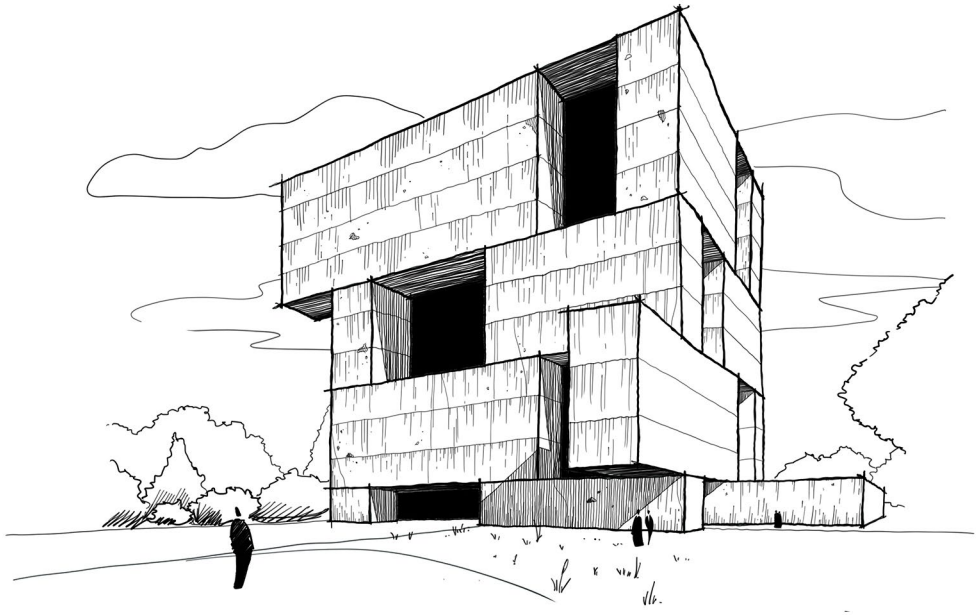
2-Point Perspective



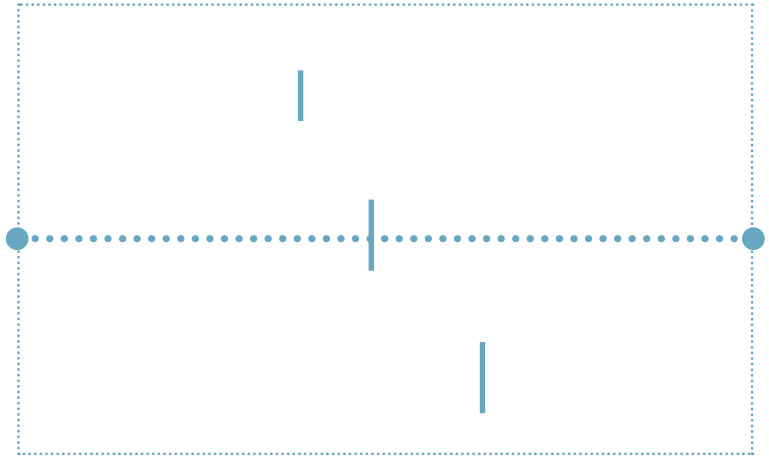
Angular Interior View Structure



Angular Interior View Grid



Exterior 2-point perspective view - Innovation Center UC, Chile, Alejandro Aravena



Your Turn!

Your Turn!

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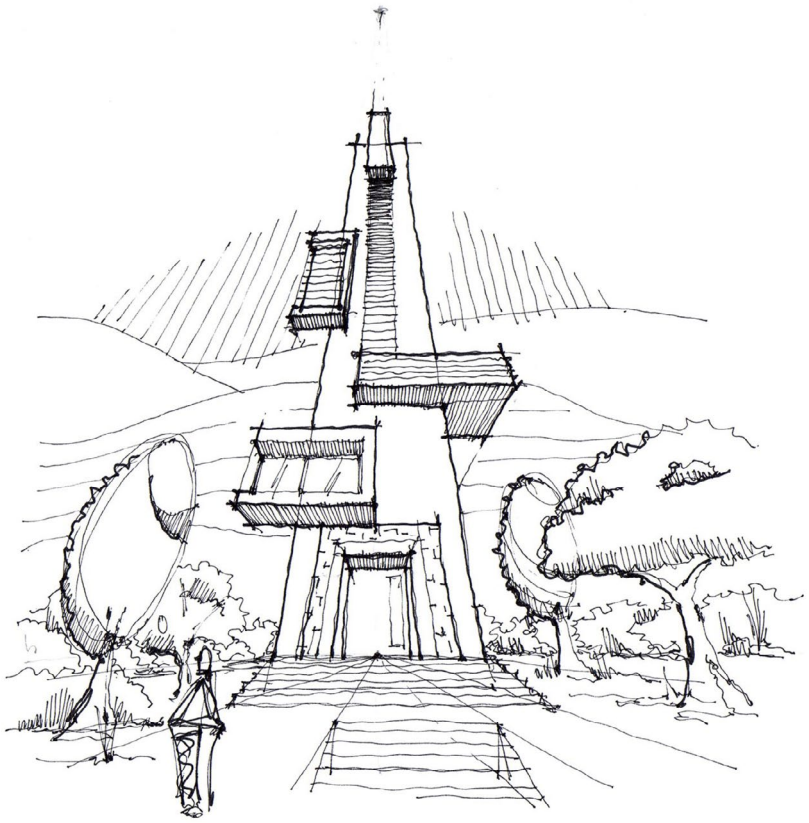
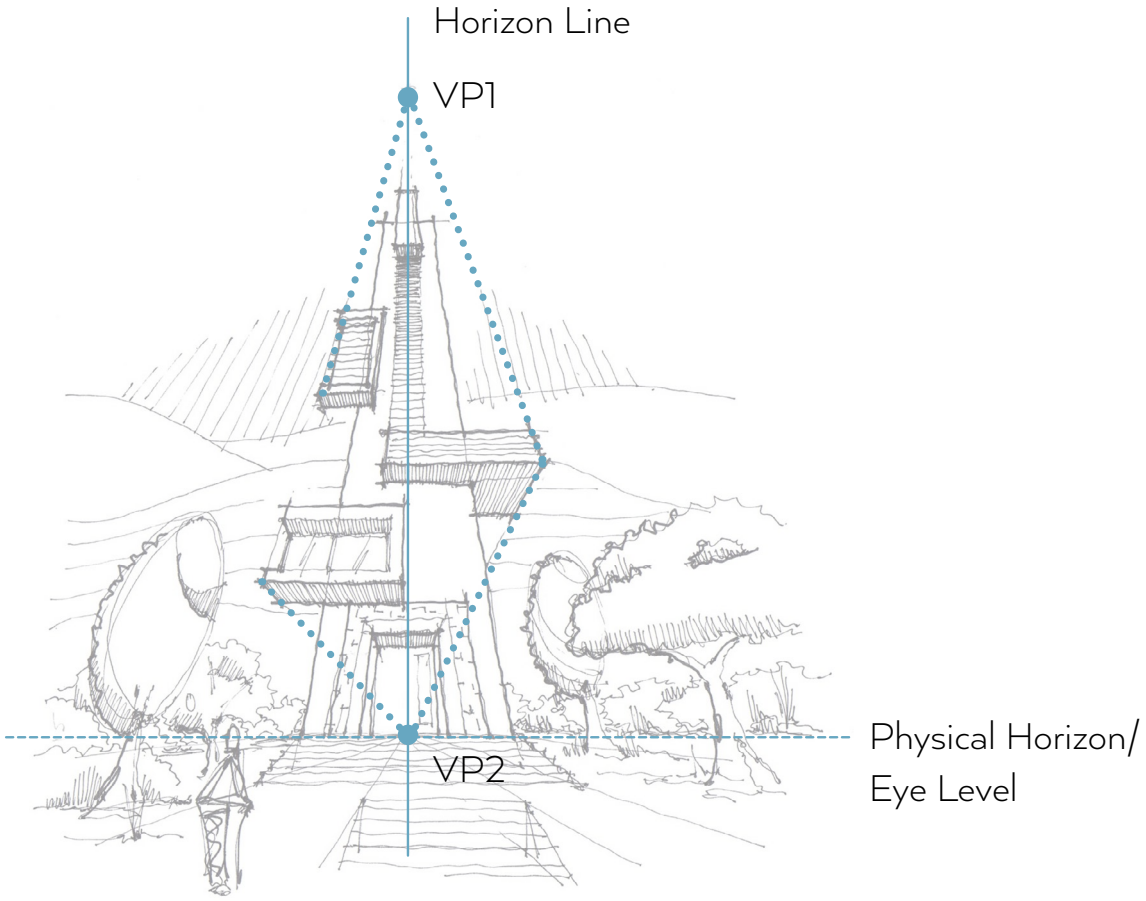
VERTICAL

2-Point Perspective





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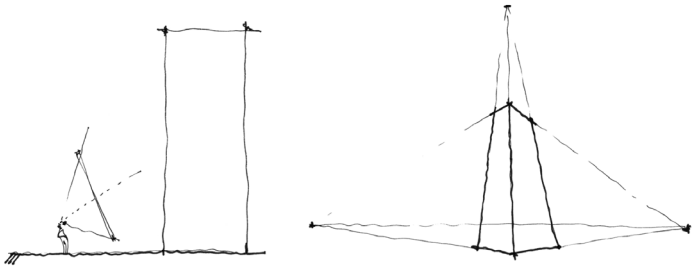
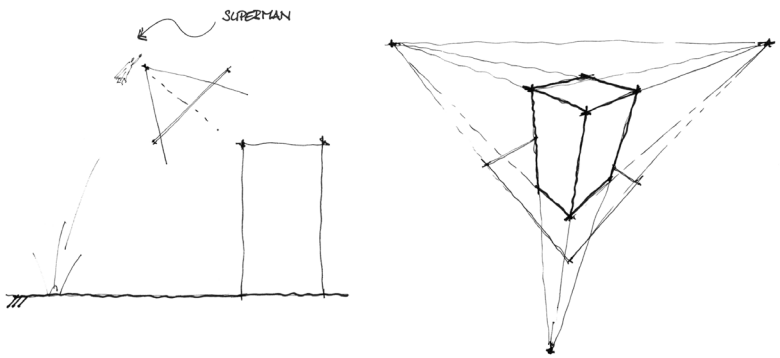
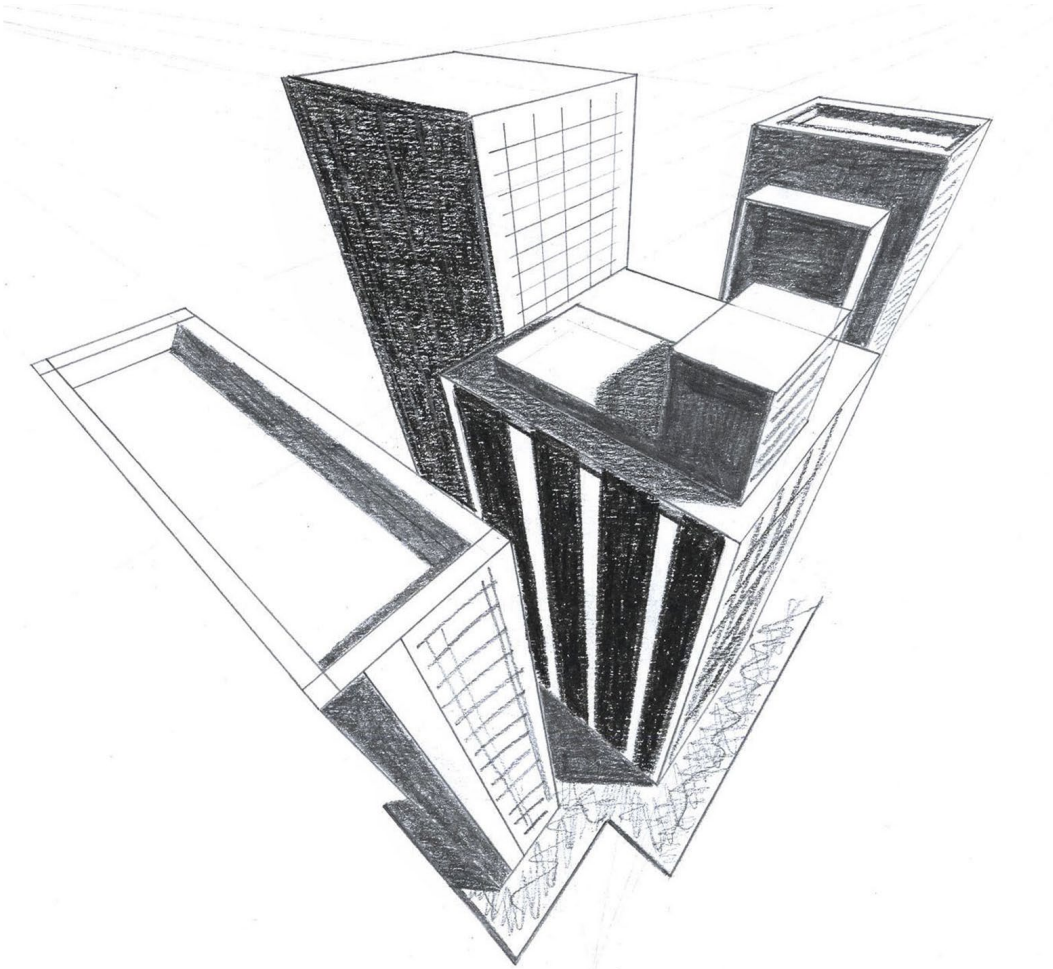
3-Point Perspective



Worm's Eye View



Bird's Eye View



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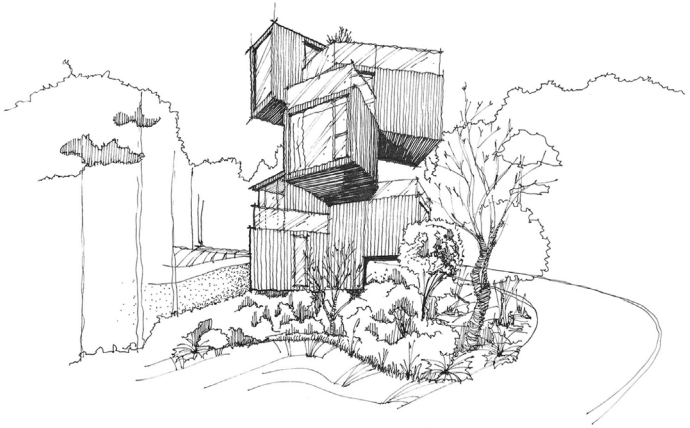
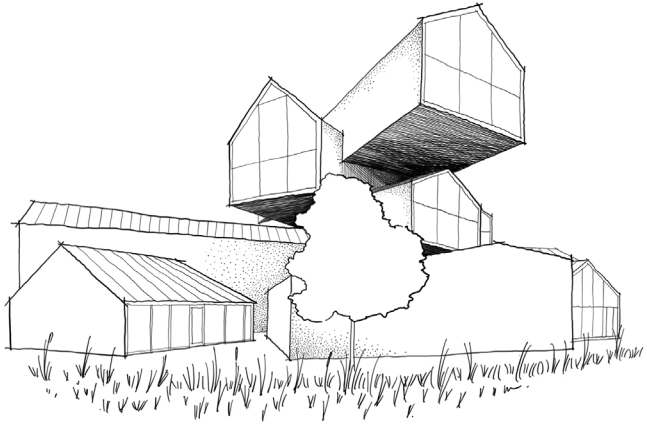
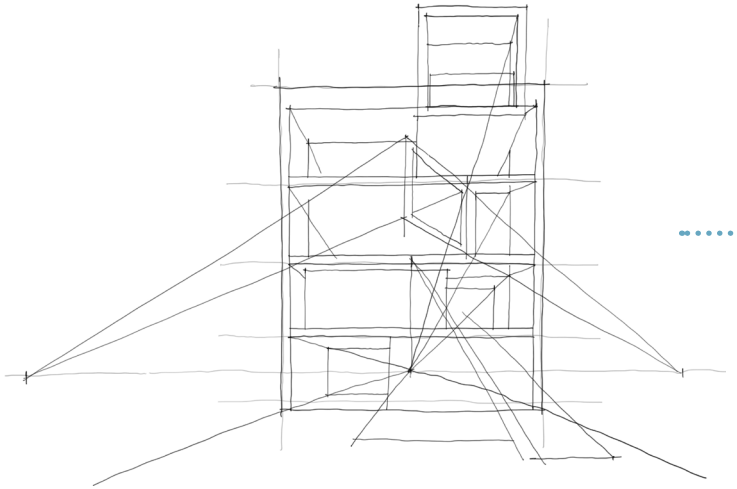
Multi-Point Perspective



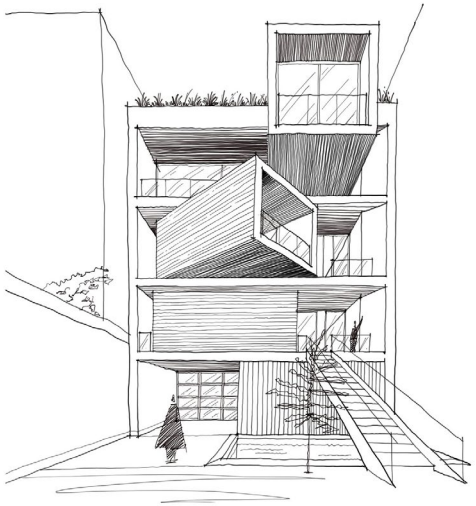
TreeHouse Hotel by Bengo Studio, China



VitraHaus by Herzog & de Meuron, Weil am Rhein, Germany



Sharifi-Ha House by Alireza Taghaboni, Tehran, Iran



Sharifi-Ha House by Alireza Taghaboni, Tehran, Iran

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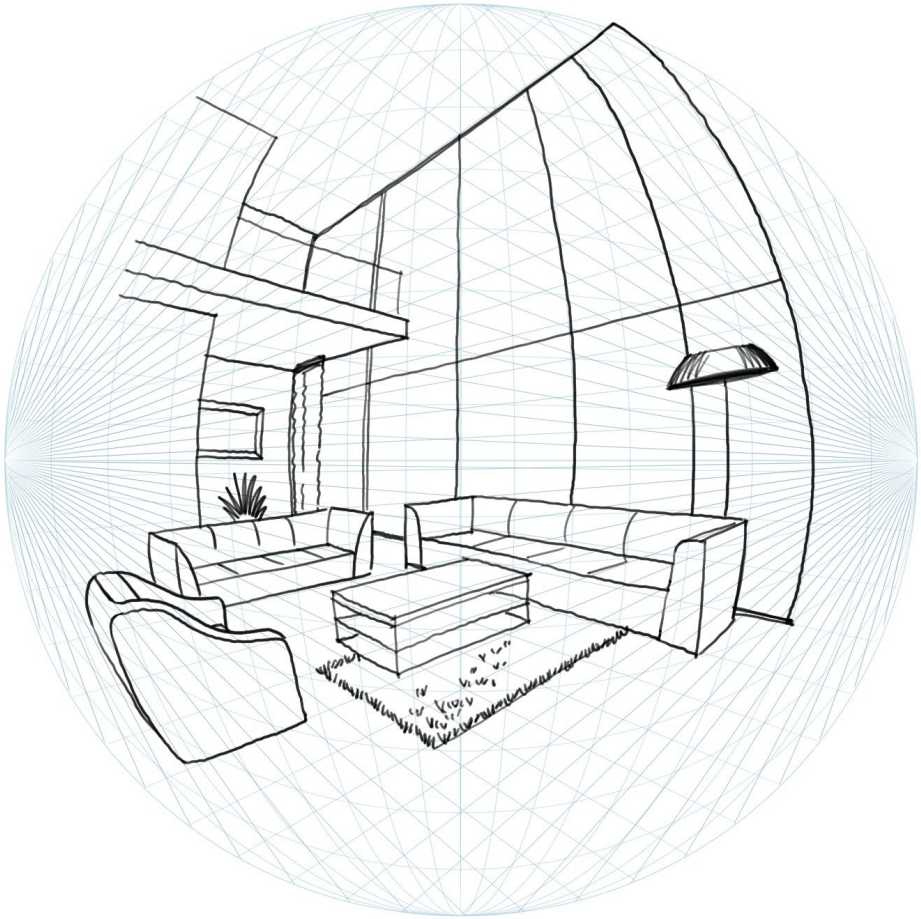
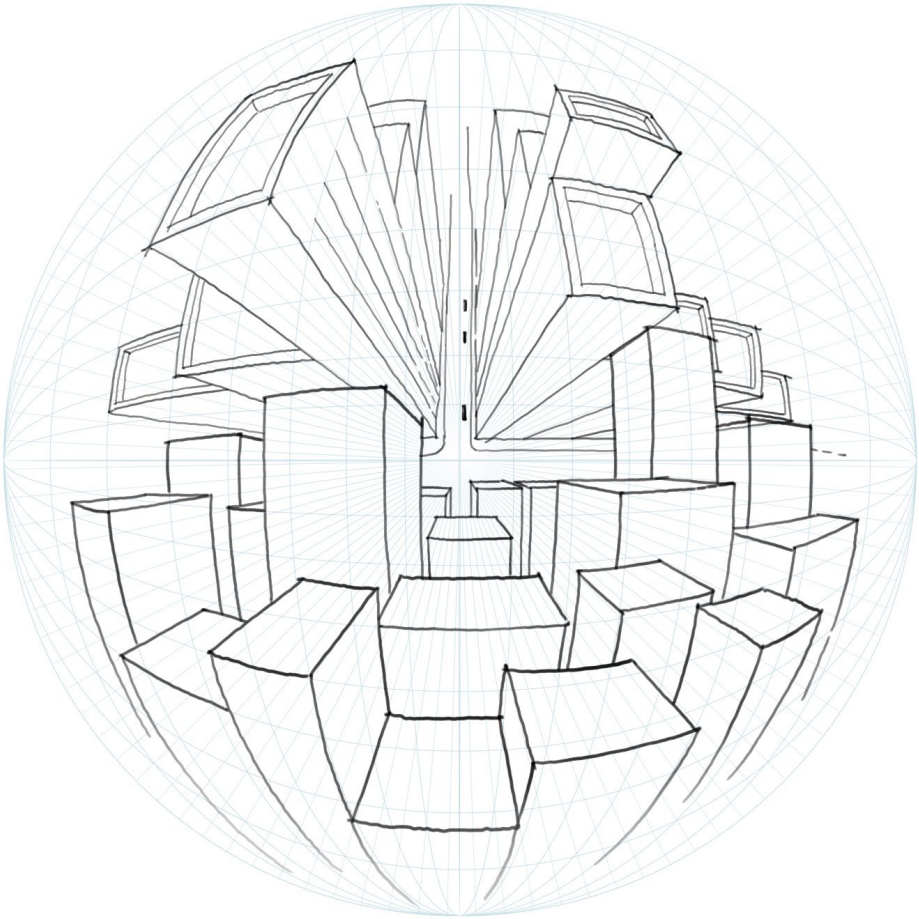
Curvilinear Perspective



4-point perspective



5-point perspective

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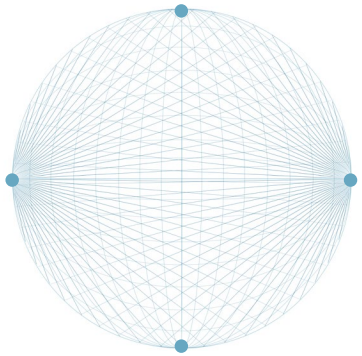
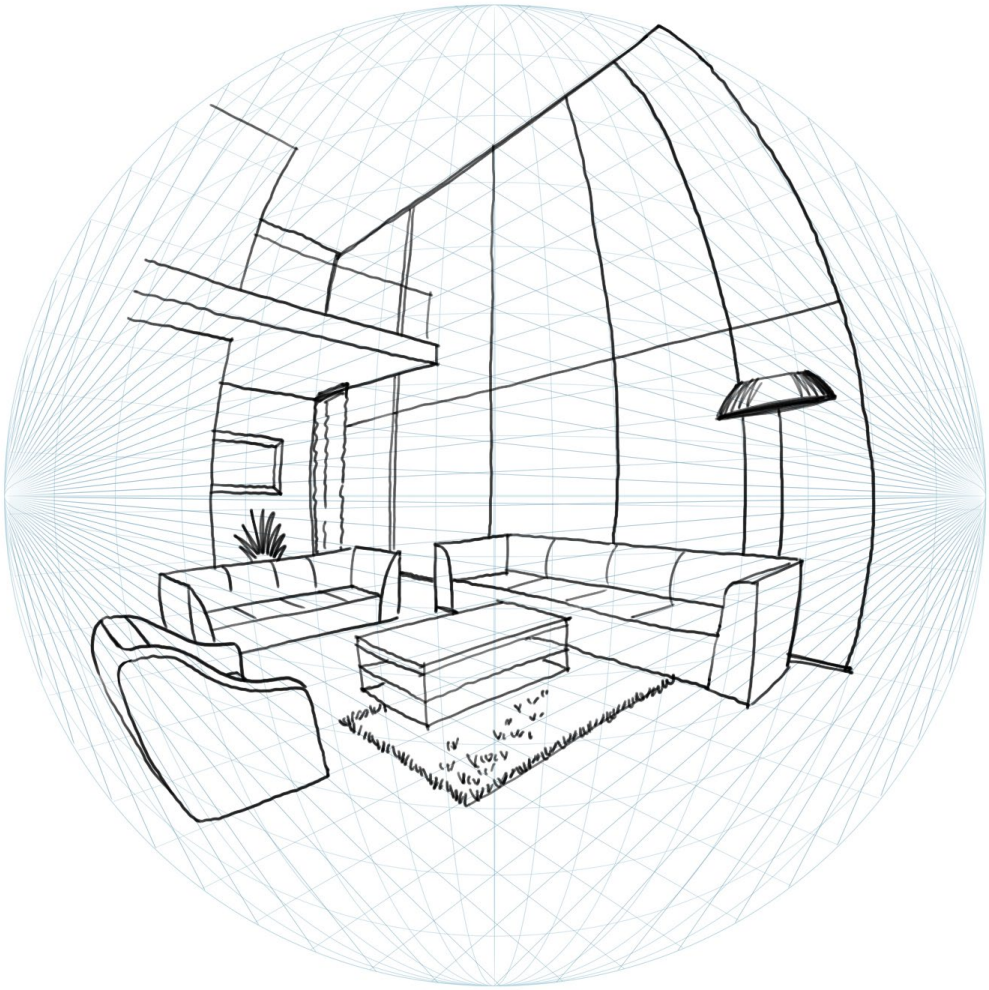
4-Point Perspective

The best comparison to a 4-point perspective view might be to imagine a corner view (angular perspective) with fish-eye effect.

Taking basically 2-point perspective and allowing for bigger field of view in the vertical direction, thanks to its curved distortion.





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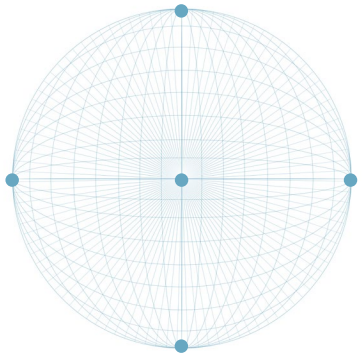
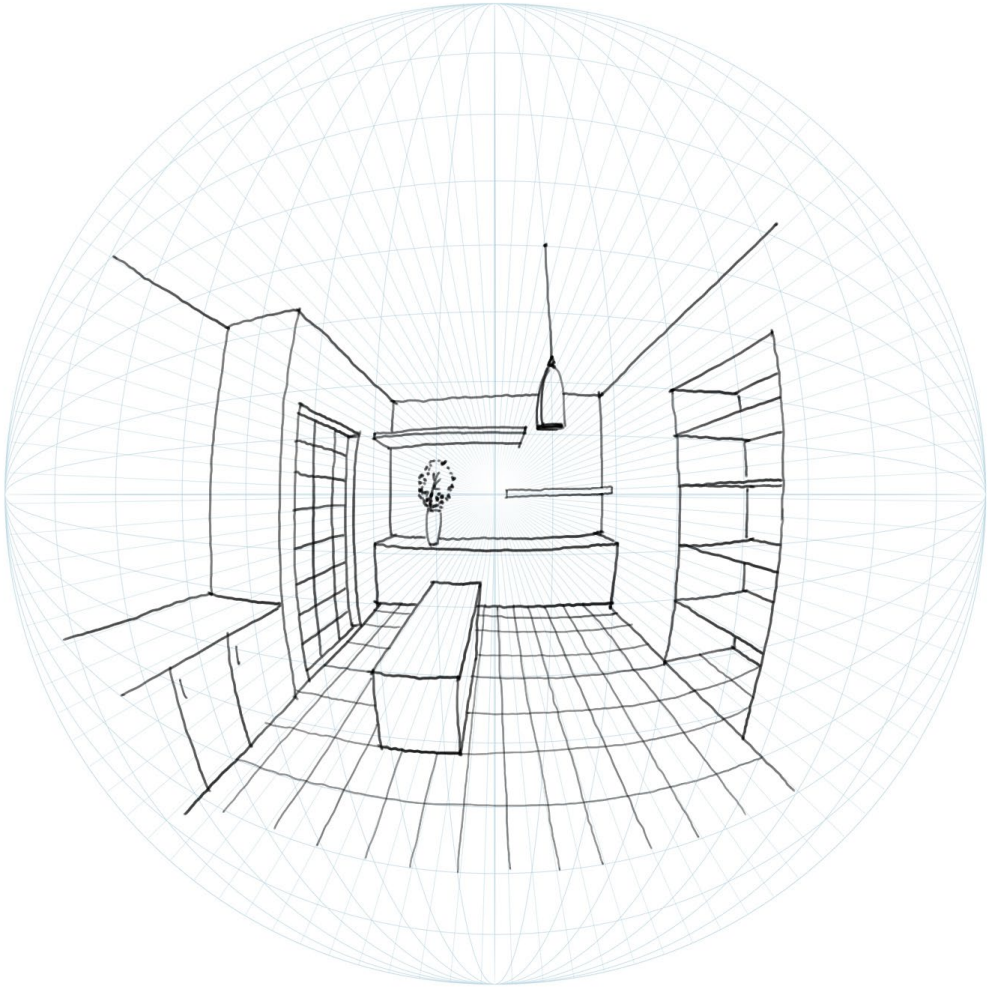
5-Point Perspective

5-point perspective is a hemispherical view with four vanishing points around the clock and one more in the very center.

Fun part is using such 5-point perspective grid for different views - from top or aligned with the horizon line in the middle. Use the prepared worksheet on the next page and have fun with it yourself!





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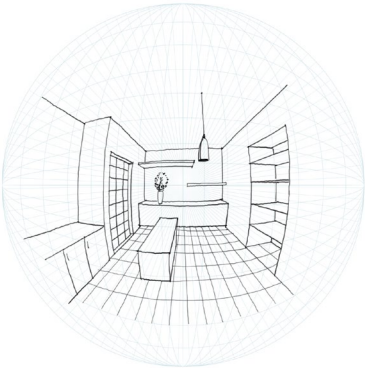
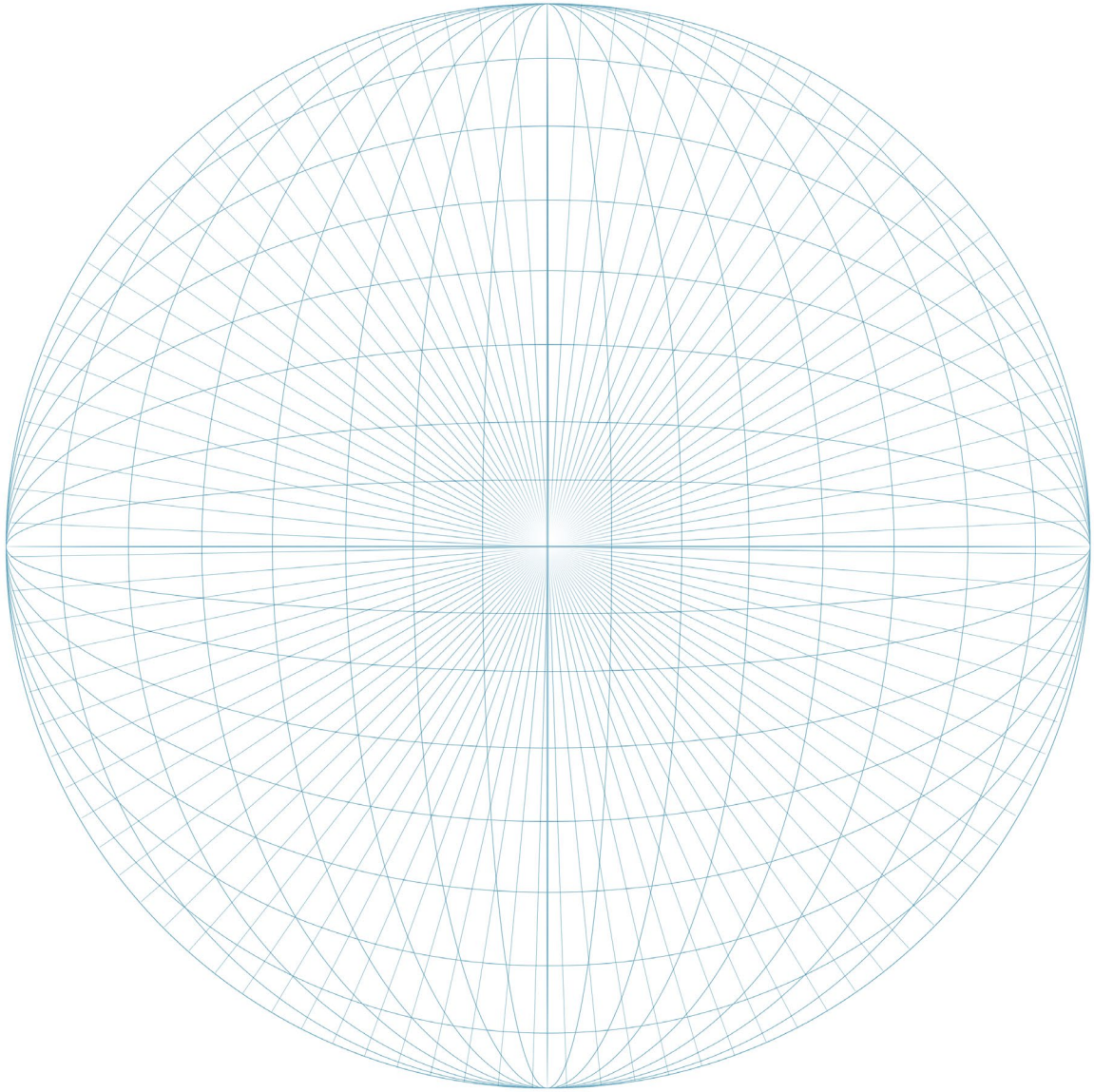
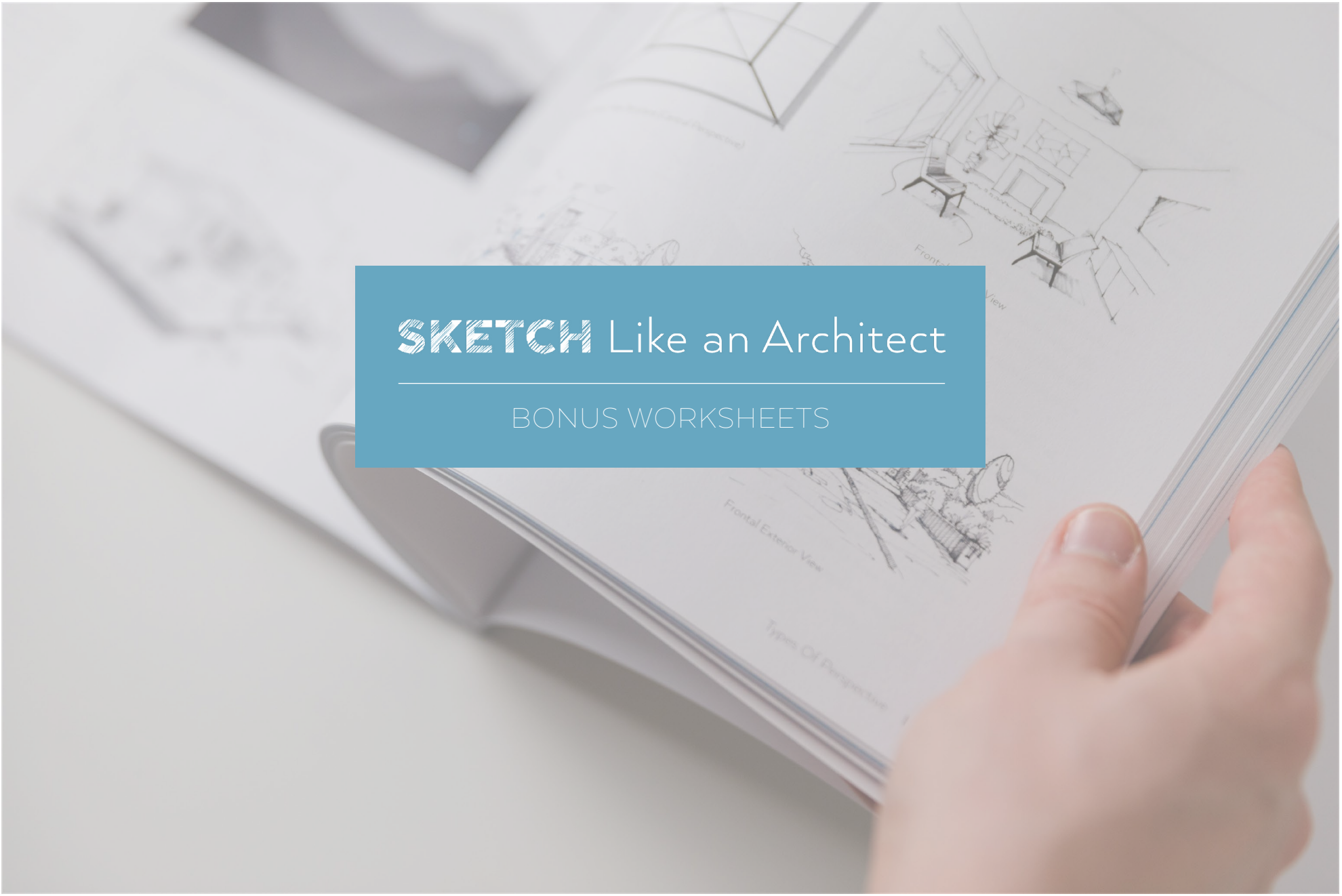
Worksheet

5-point Perspective

Draw a 5-point perspective interior view of a kitchen. You can use the reference provided or e.g. draw your own room where you are in right now!







SKETCH Like an Architect

BONUS WORKSHEETS

1-point Perspective

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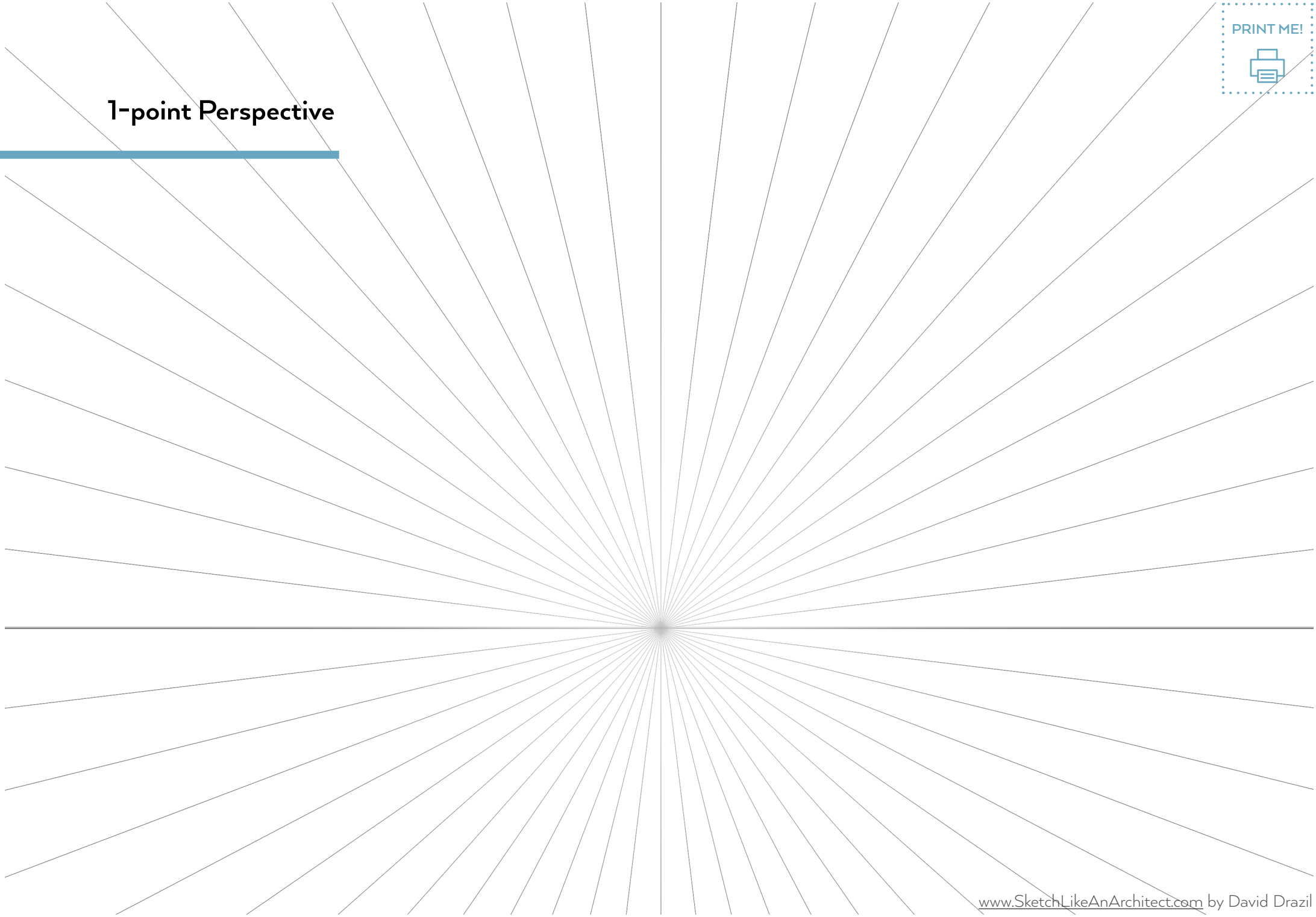

1-point Perspective

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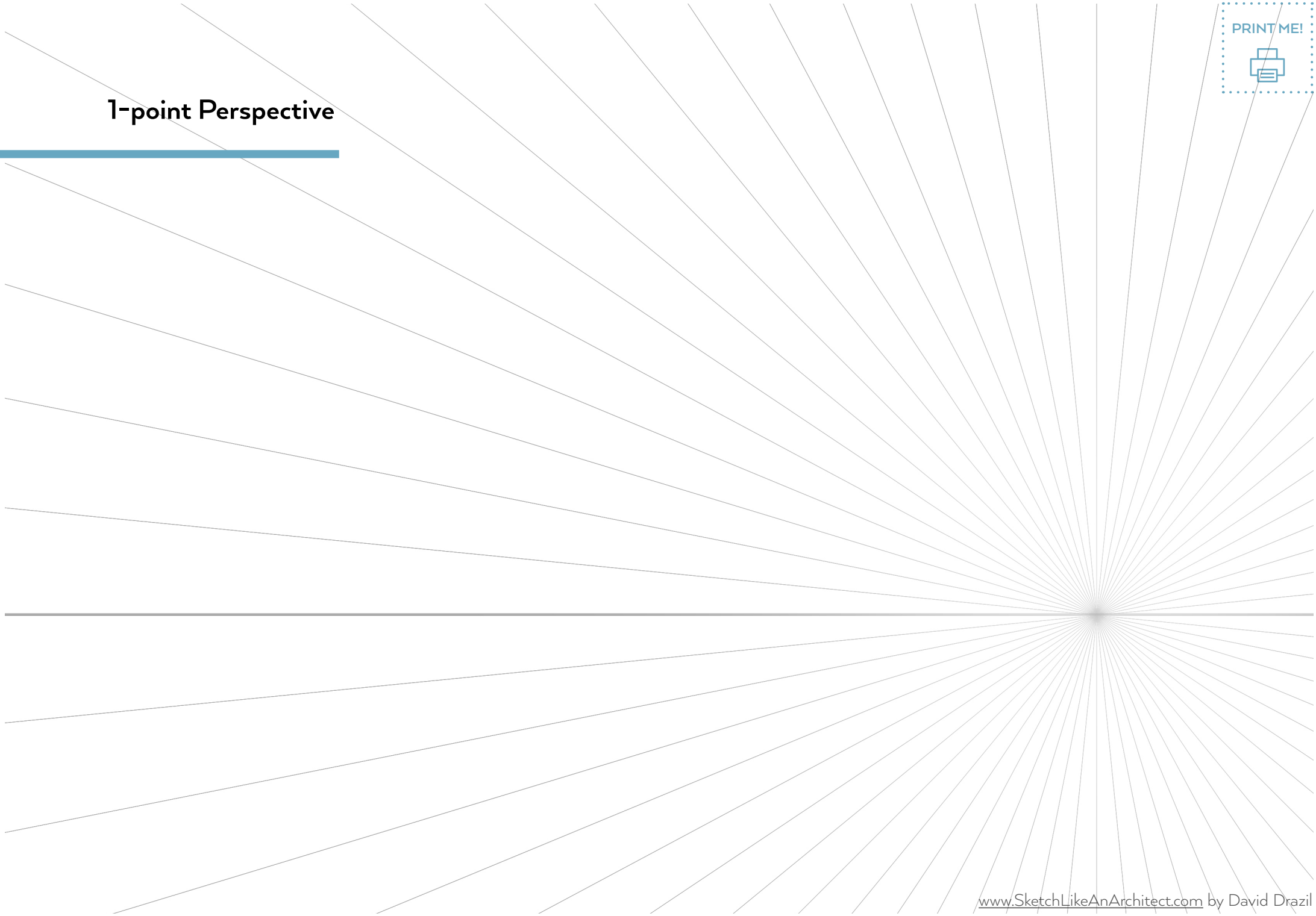

2-point Perspective

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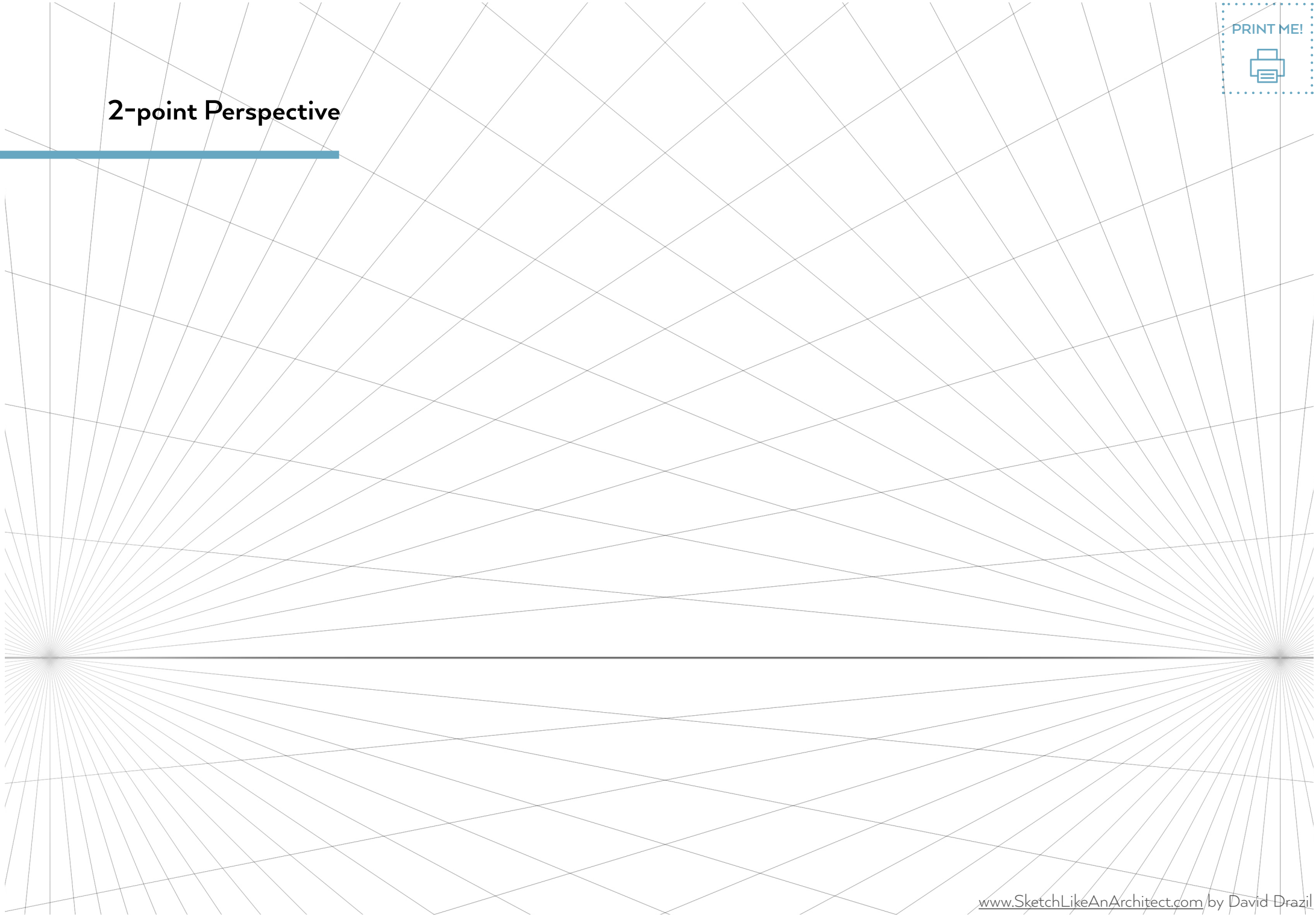

2-point Perspective

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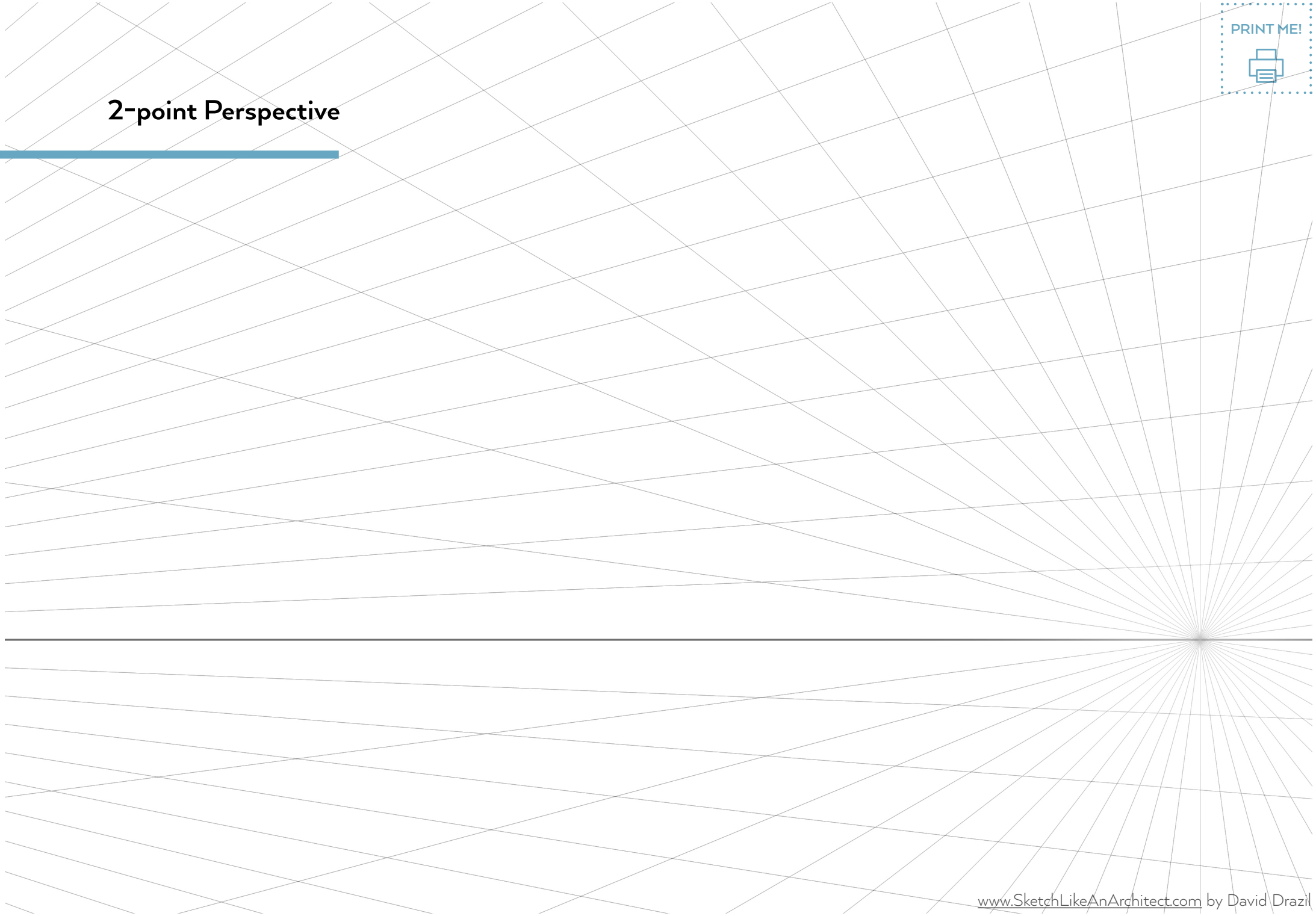

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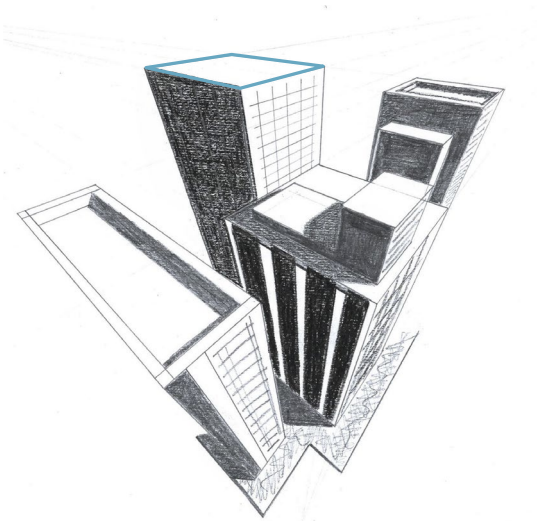
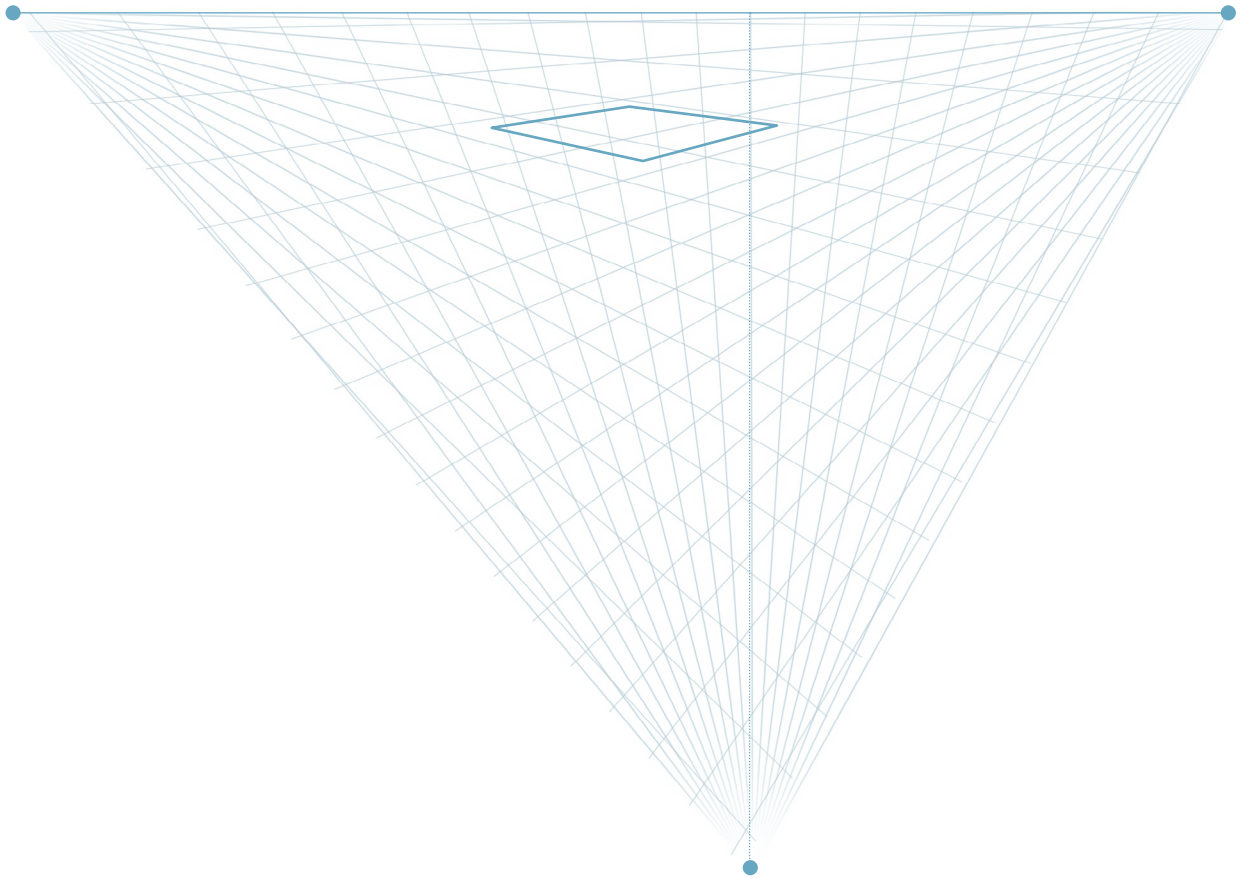
3-point Perspective

Bird's Eye View





Your Turn

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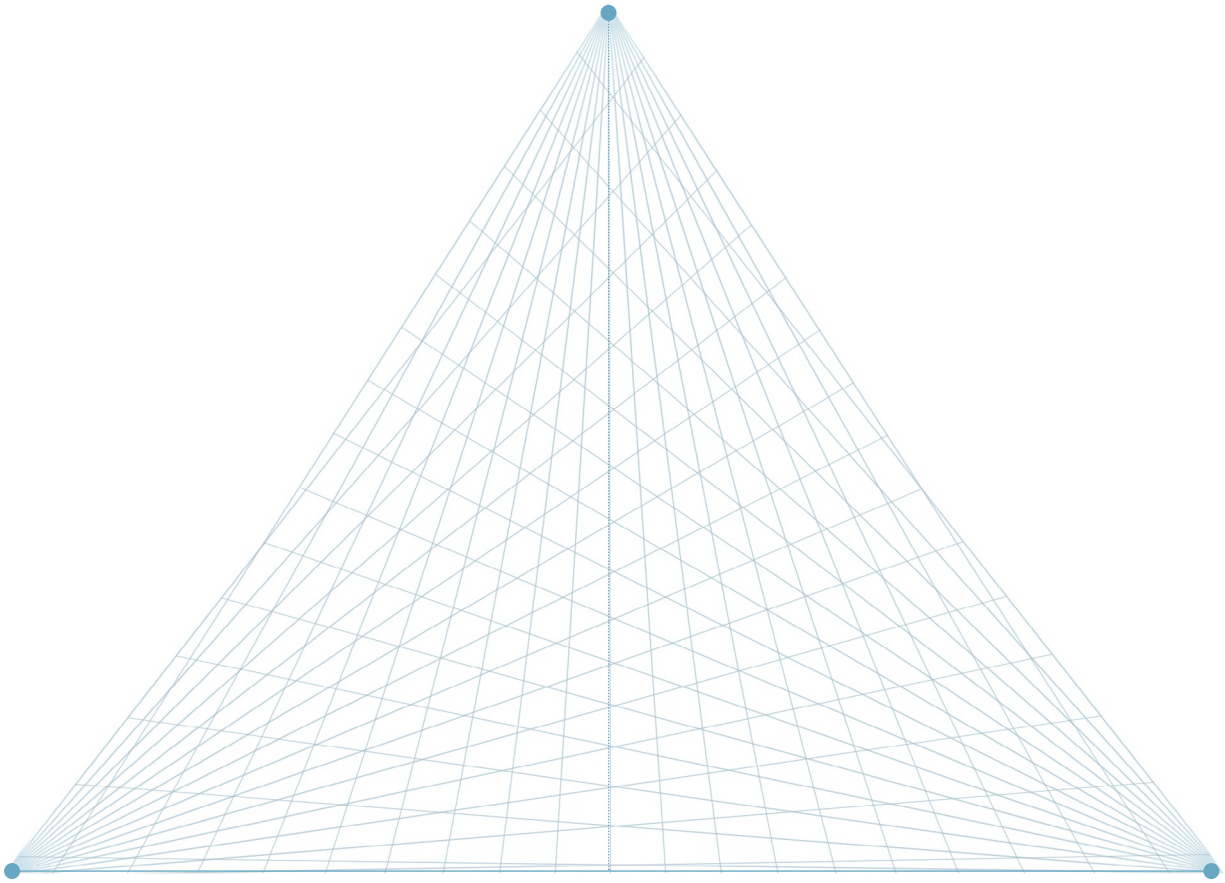
3-point Perspective

Worm's Eye View

Now that you've tested the water with 3-point perspective, it's time to let your imagination play.

Use this Worksheet as an opportunity to experiment with a worm's eye view - maybe you can try to draw the same skyscrapers like in the previous Worksheet, just looking up instead of down.

Either way, have fun with it and happy sketching!



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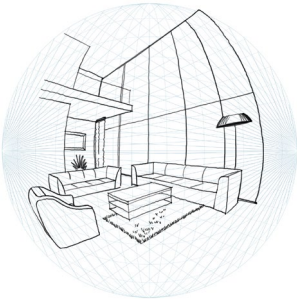
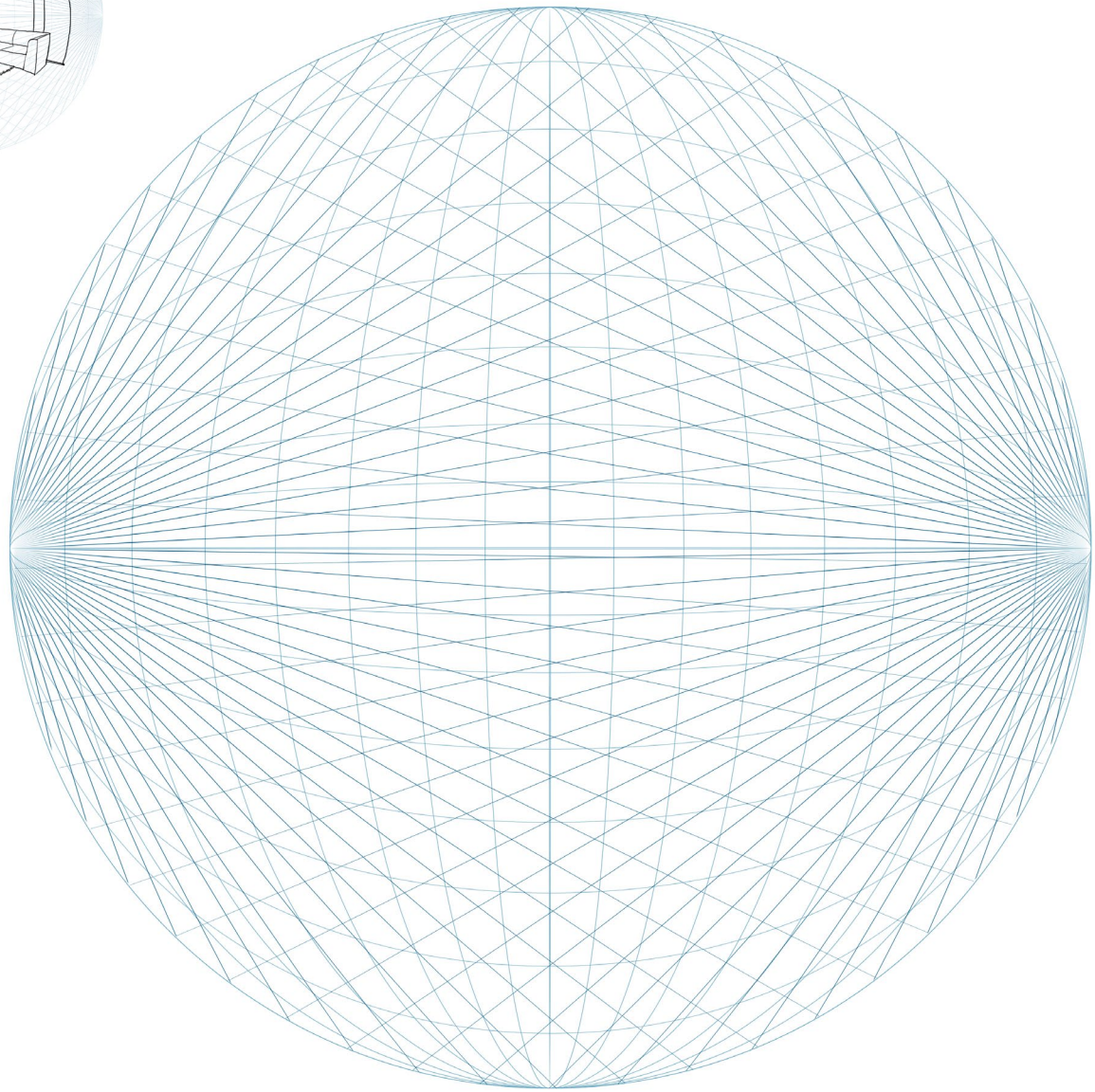
4-point Interior View



Start by following the grid and setting the basic structure of the view. Draw the lines outlining the floor, the big glazed wall, and the very back wall with the frame painting.

Once you have the structure, begin with the furniture in the foreground and then finish the rest.

Feel free to deviate from my reference and make it your own. Have fun!



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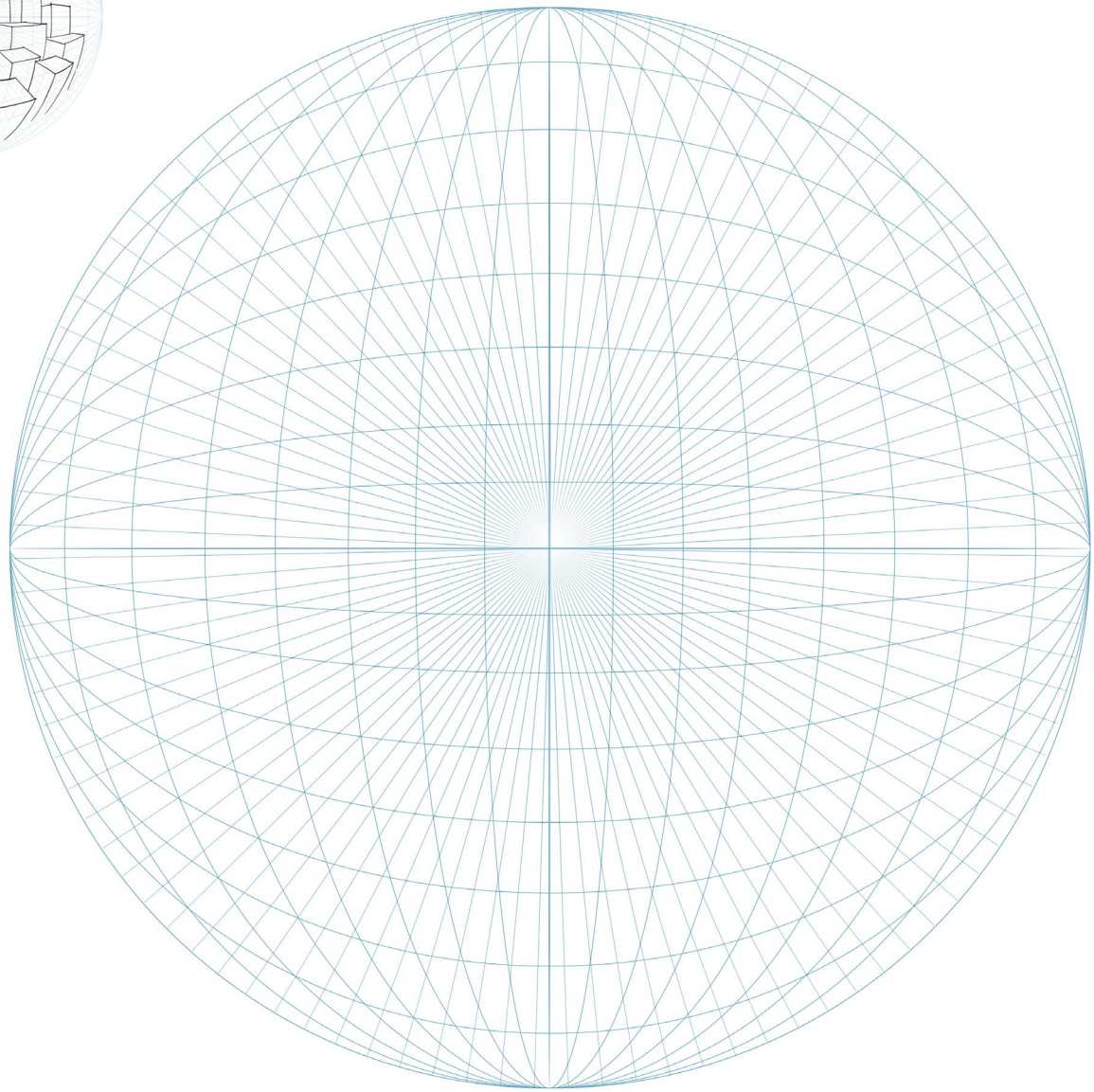
5-point Perspective

Draw a 5-point perspective view with the horizon aligned with the horizontal axis of the perspective grid. Follow the example with the skycrapers and add more details to them!



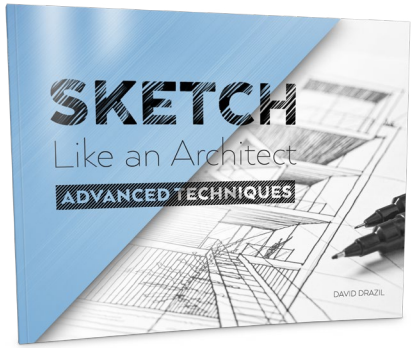
Other Books from David

Click on the buttons below to learn more.

Sketch Like an Architect:
Step-by-step from Lines to Perspective

PRINTED VERSION

PDF VERSION



Sketch Like an Architect:
Advanced Techniques

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Draw Like an Artist:
100 Buildings and Architectural Forms

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KINDLE VERSION

About the Author

David Drazil is an architect who loves to sketch. With passion for visual representation of architecture, he creates educational content and resources on how to #SketchLikeAnArchitect.

Since his childhood, he's been fascinated by visuals and has been inclined towards fine arts, architecture, and graphic design. During his architectural studies, both in the Czech Republic and Denmark, David found his passion in the visual presentation of architecture - namely architectural sketching, visualisations, animation, and virtual reality.

David gained international experience while studying at Aalborg University and working as an architect for KHR Architects and Danielsen Architecture in Copenhagen, Denmark.

Today, David is focused on helping architects, designers, and hobby sketchers to use sketching as a tool for better design process and representation. He also collaborates as a featured artist with sketching apps on iPad called ShadowDraw and Morpholio Trace.

Find more information on the website SketchLikeAnArchitect.com or at David's successful Instagram account (@david_drazil) where he shares daily his tips & tricks on how to #SketchLikeAnArchitect.

David Drazil, MSc.

- Architect Who Loves to Sketch
- Online Teacher, Author, Speaker
- Founder of SketchLikeAnArchitect.com

Find out more about David and the #SketchLikeAnArchitect project:

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- Youtube.com/DavidDrazil
- Instagram.com/david_drazil
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- Facebook.com/SketchLikeAnArchitect

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