

Ver e desenhar em **Perspectiva**

AULA **Pensamento visuo-espacial**

Faculdade de Arquitetura da Universidade do Porto – 2020

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A experiência visual de... estar lá!



As coisas ficam mais pequenas conforme mais afastadas de nós.

- É assim que o nosso cérebro calcula e sabe quão longe elas estão e onde estamos.
- No nosso sistema visual a **distância** está numa co-relação matemática com o **tamanho**.

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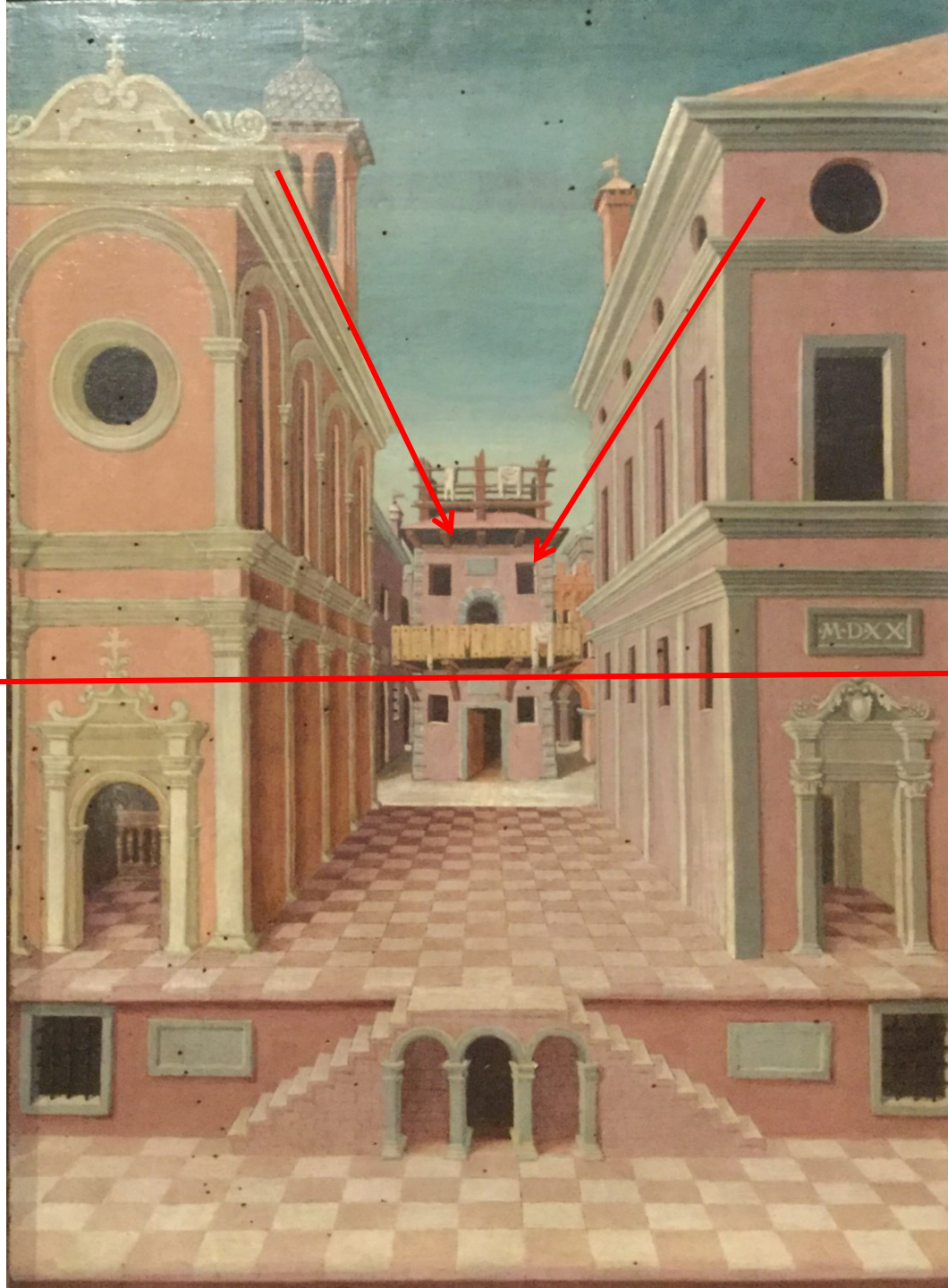


Imagens centradas no objeto - Axonometria – os objetos possuem tridimensionalidade mas não diminuem com afastamento!





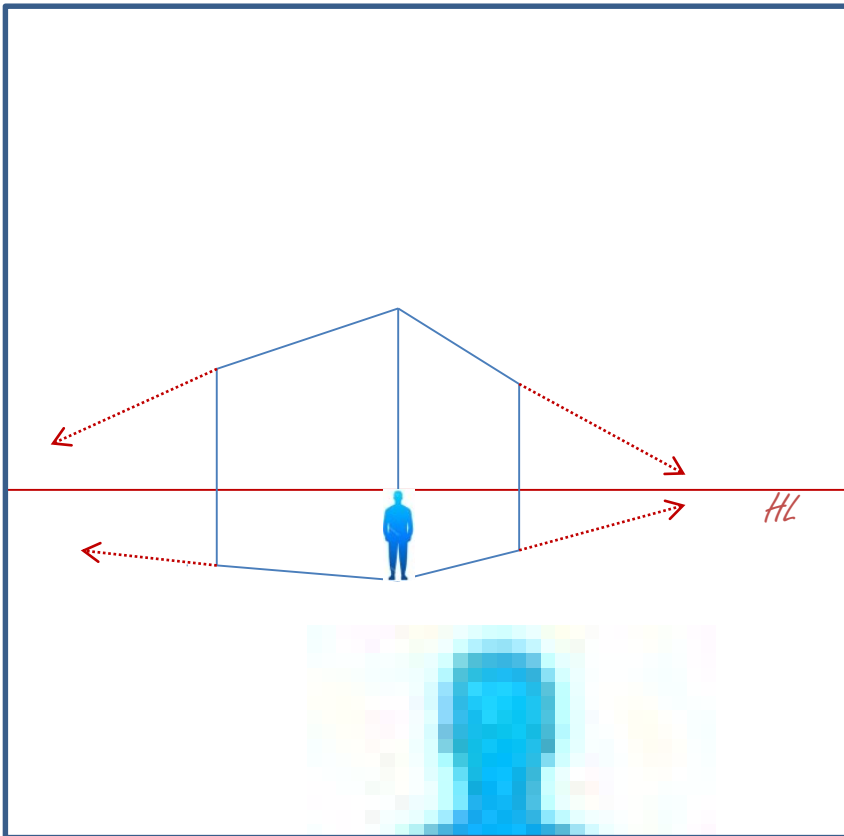
Imagem centrada no observador _ Perspetiva – Os objetos possuem tridimensionalidade e diminuem com distanciamento



Outside a box

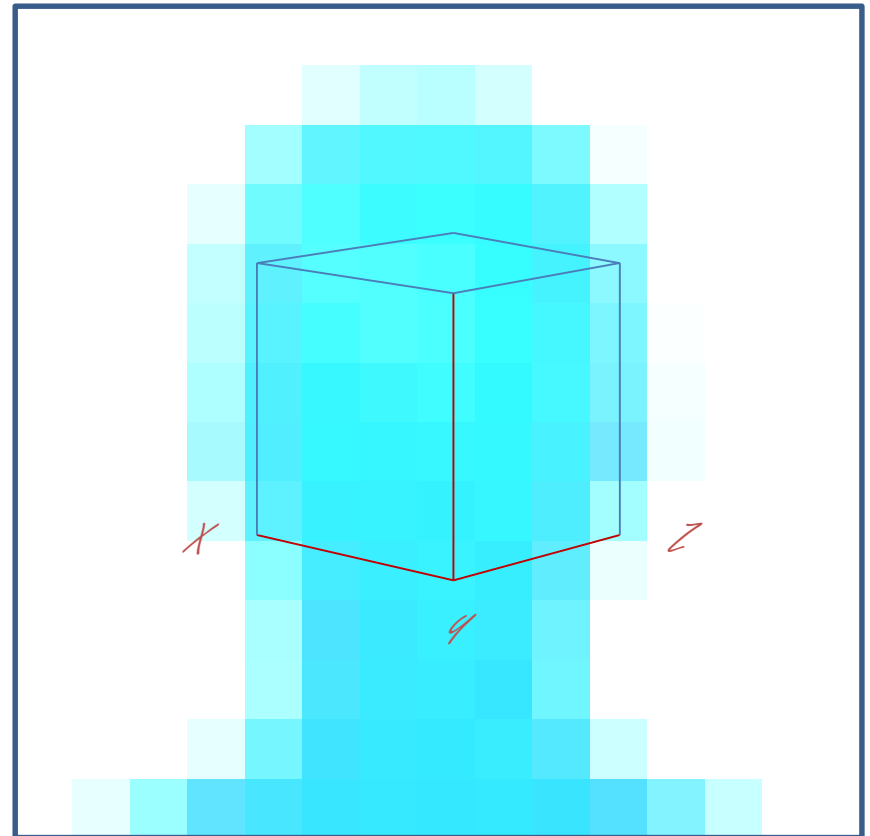
What we see....

Viewer centered image
Geometry sistem reference:
Linear Perspective



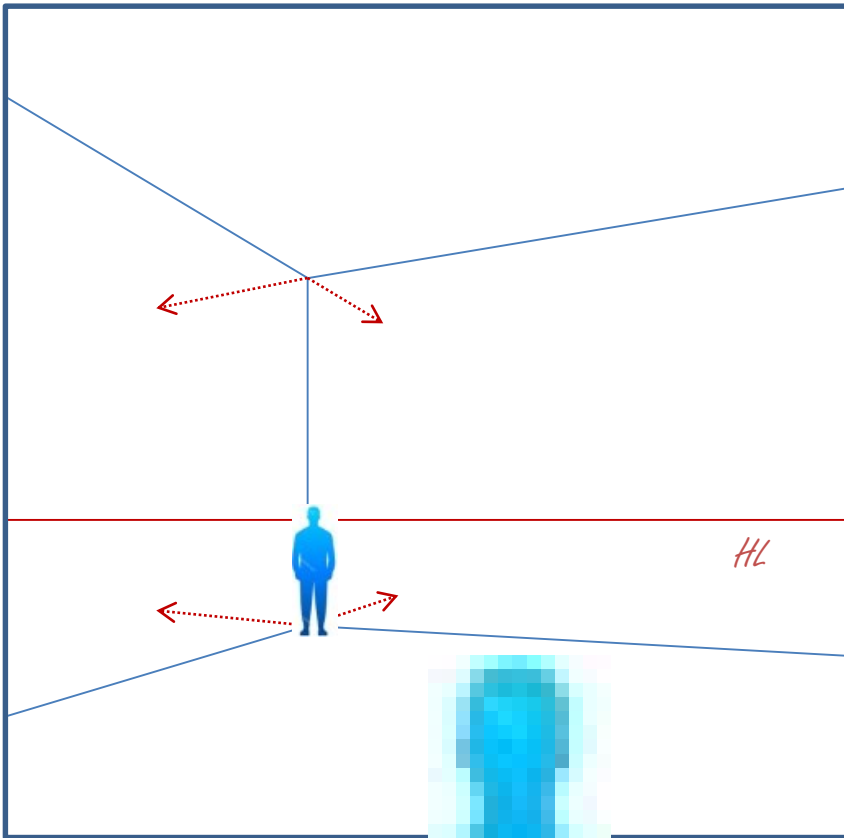
What we deduce...

Object centered image
Geometry sistem reference:
Axonometry

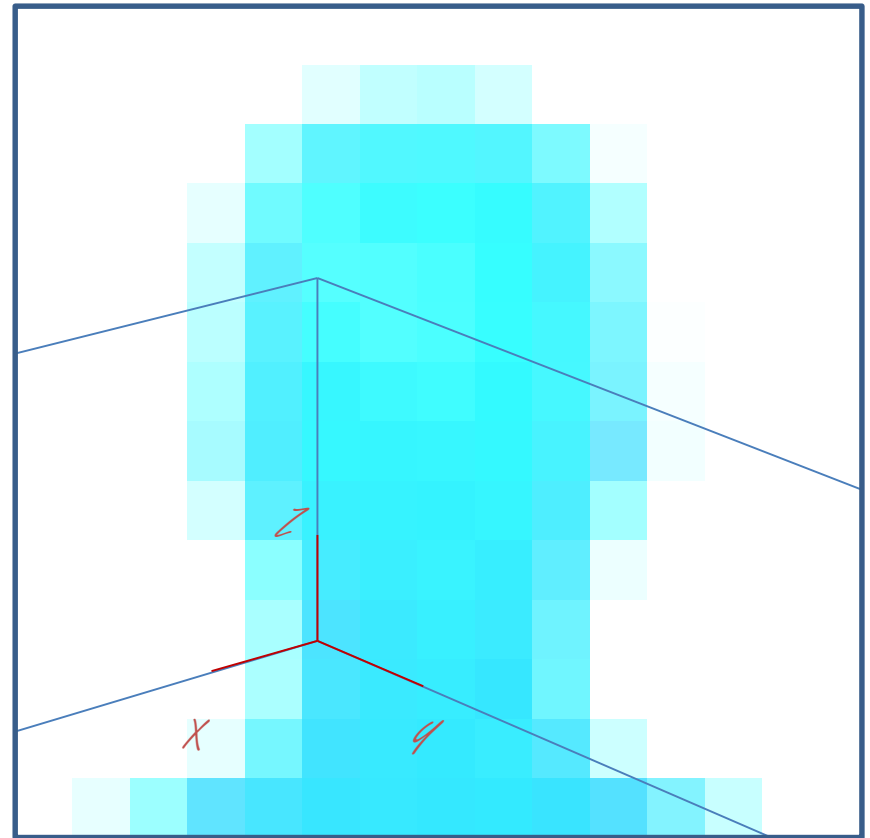


Inside a box

Viewer centered image
Geometry sistem reference:
Linear Perspective



Object centered image
Geometry sistem reference:
Axonometry



Em perspectiva...

Tudo depende do observador!





O observador és tu ;)



Obrigado!

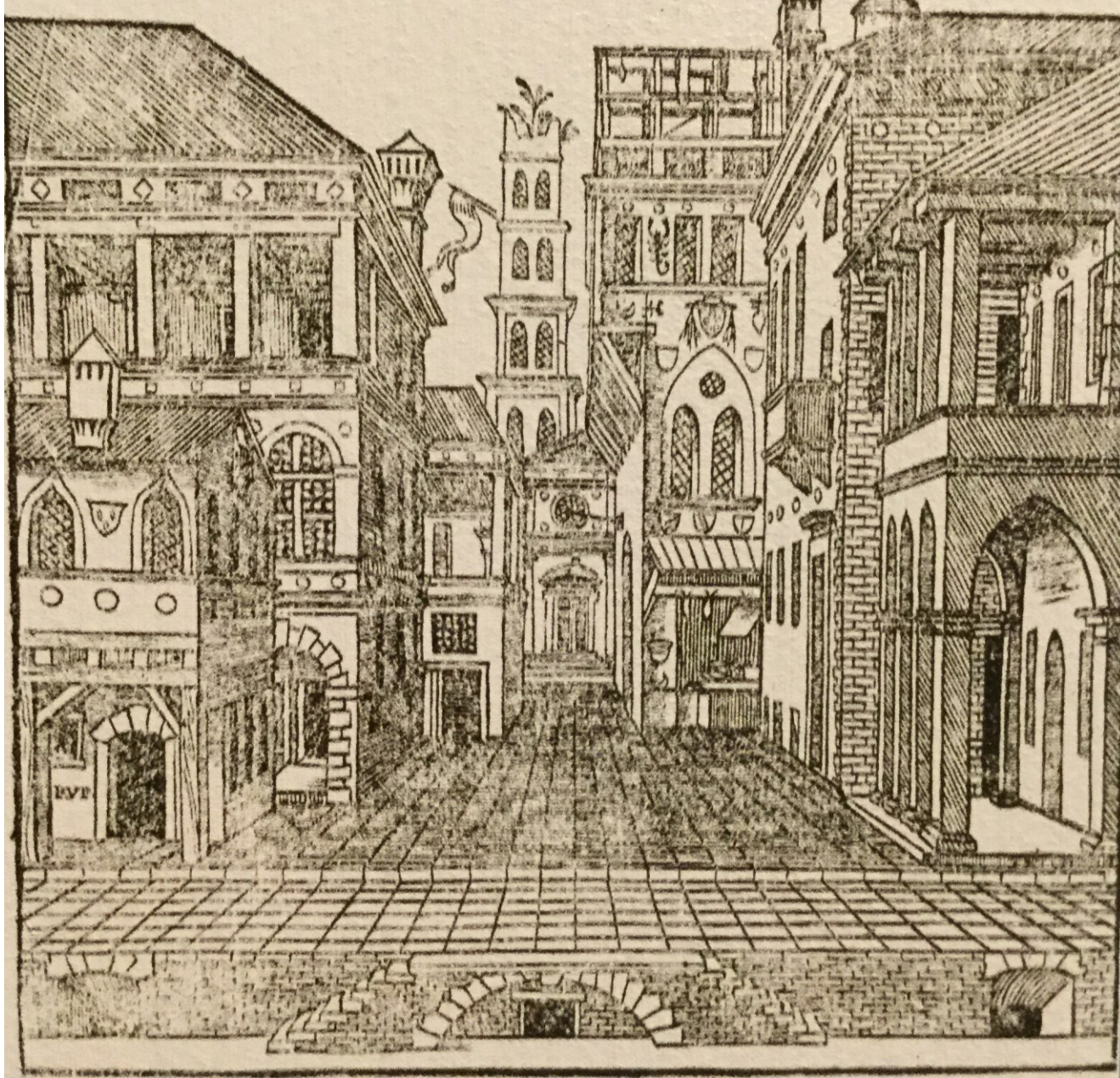
OBSERVADOR

Onde está a LH?

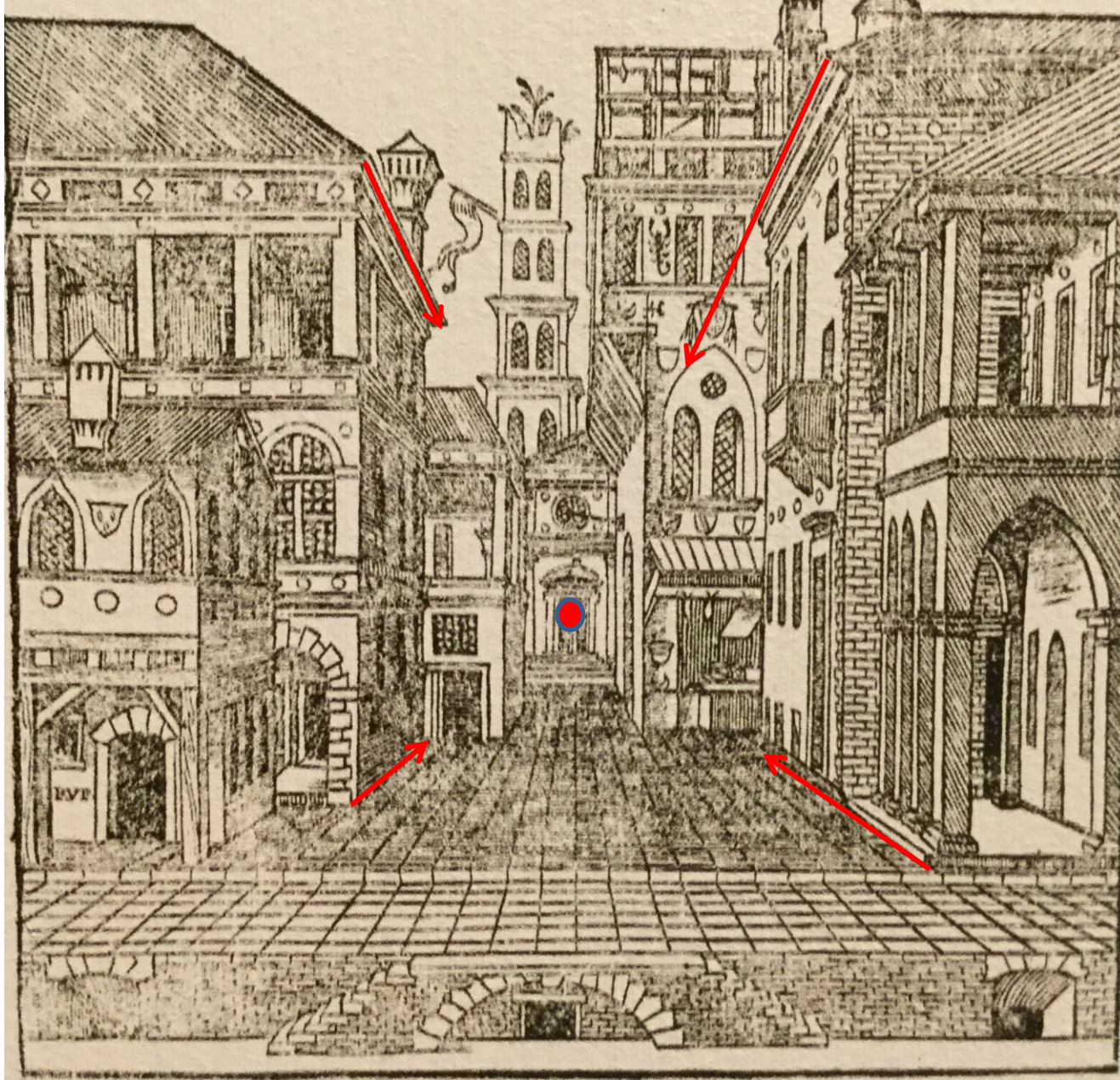
(LH = altura do observador)

=

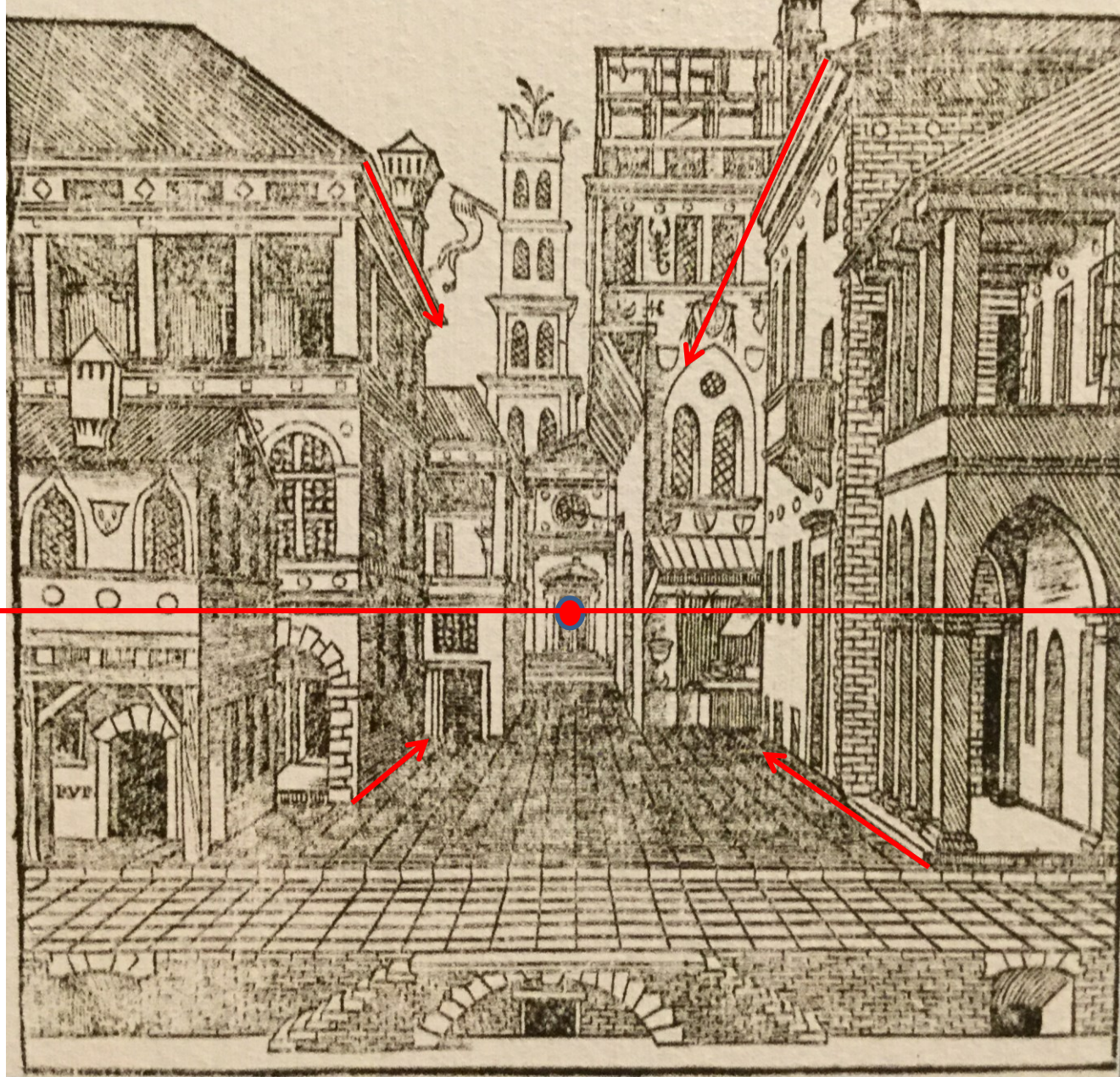
Onde está o observador?



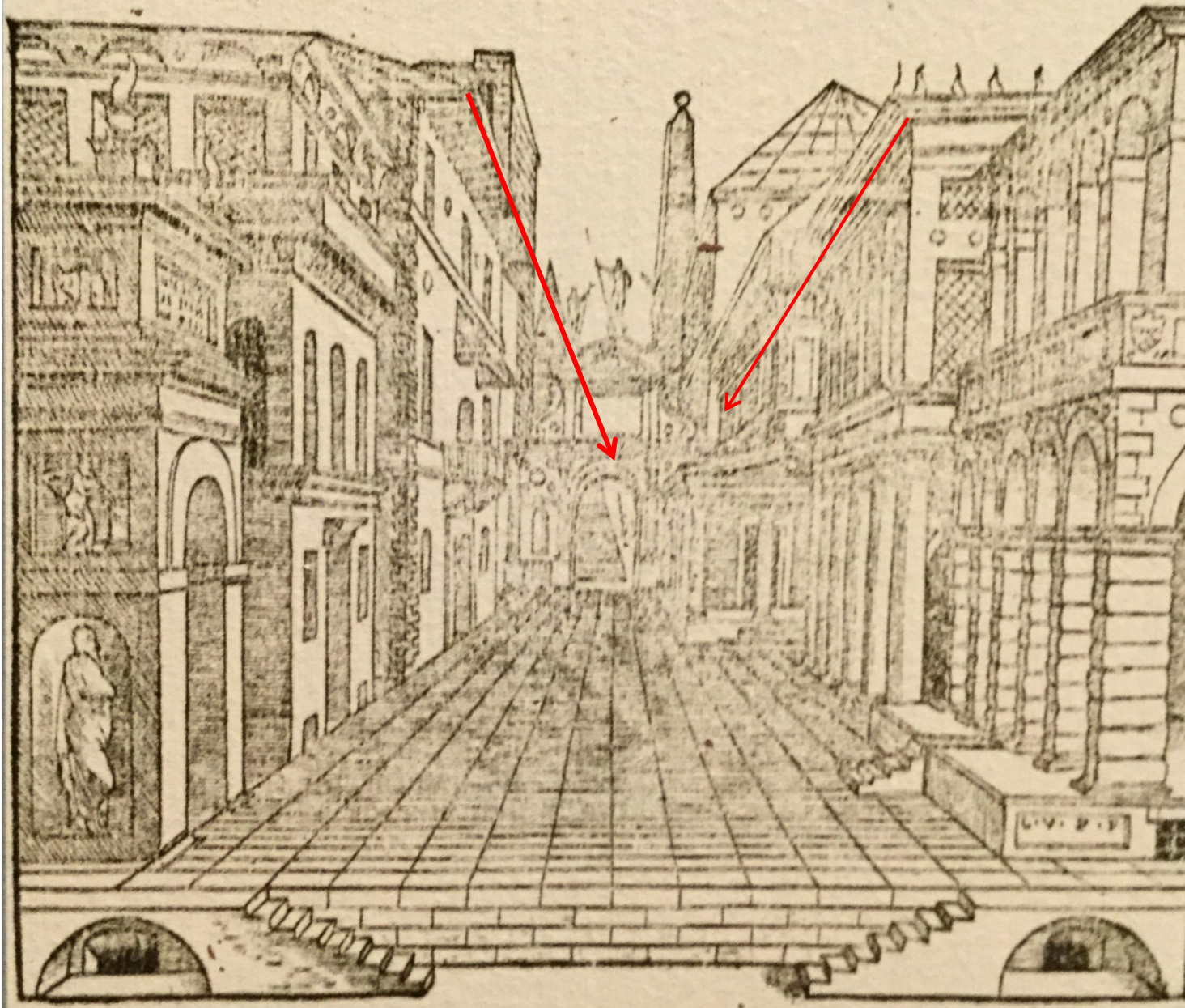
Sebastiano Serlio, *Scena comica*, dal *Secondo Libro di Prospettiva*, Parigi 1545
Sebastiano Serlio, *Comic Scene*, from the *Second Book on Perspective*, Paris 1545



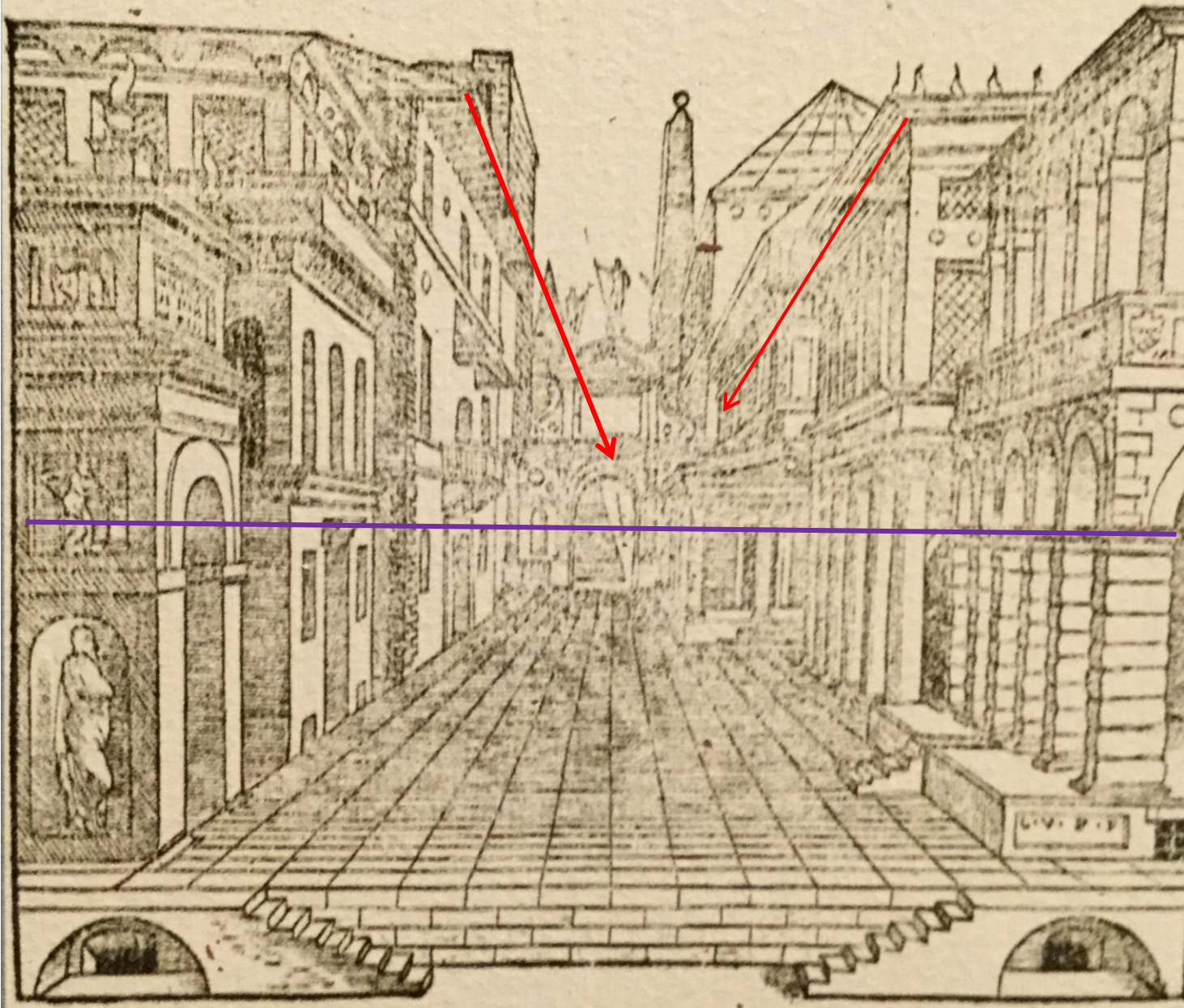
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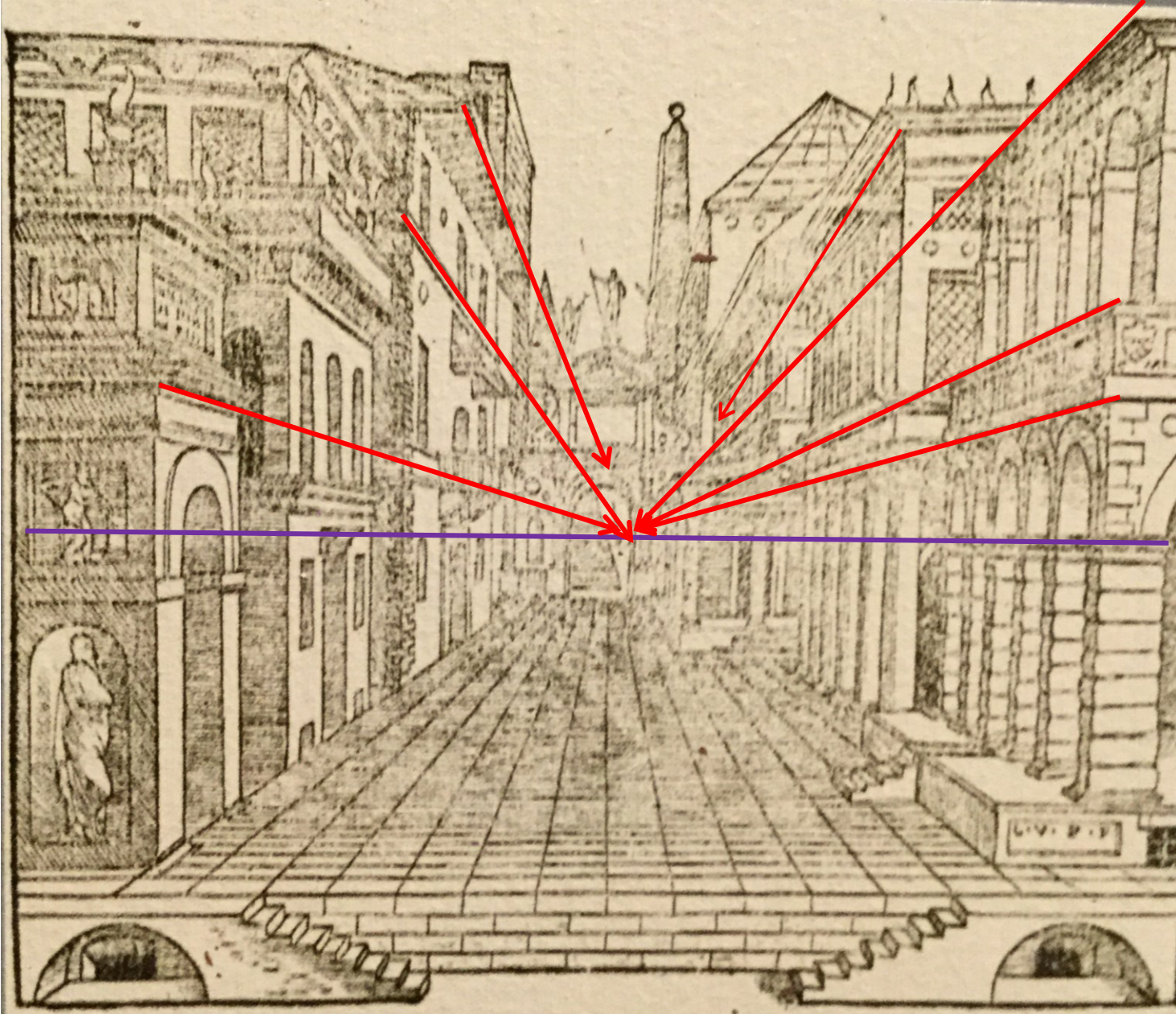
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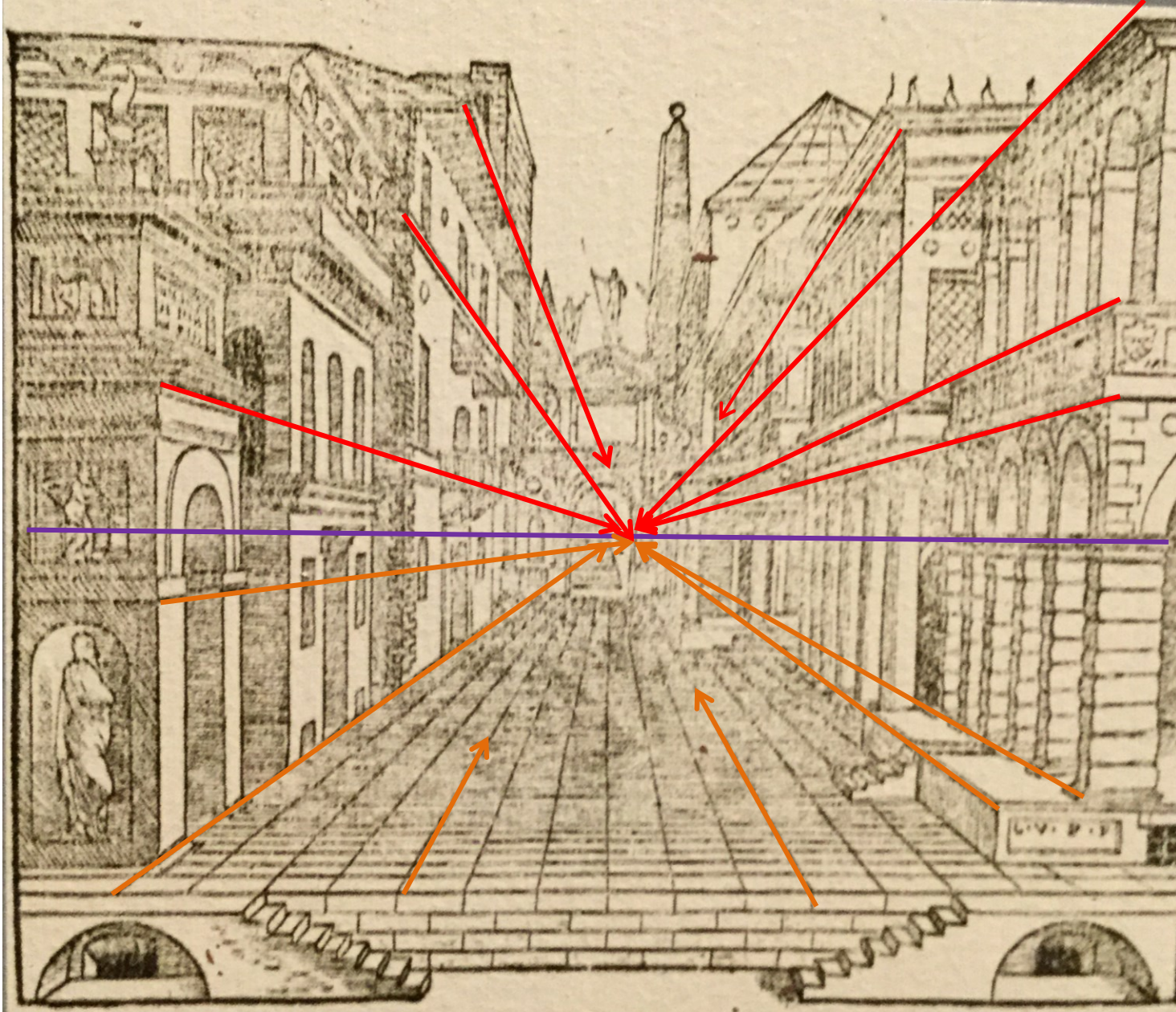
Sebastiano Serlio, *Scena tragica*, dal *Secondo Libro di Prospettiva*, Parigi 1545
Sebastiano Serlio, *Tragic Scene*, from the *Second Book on Perspective*, Paris 1545



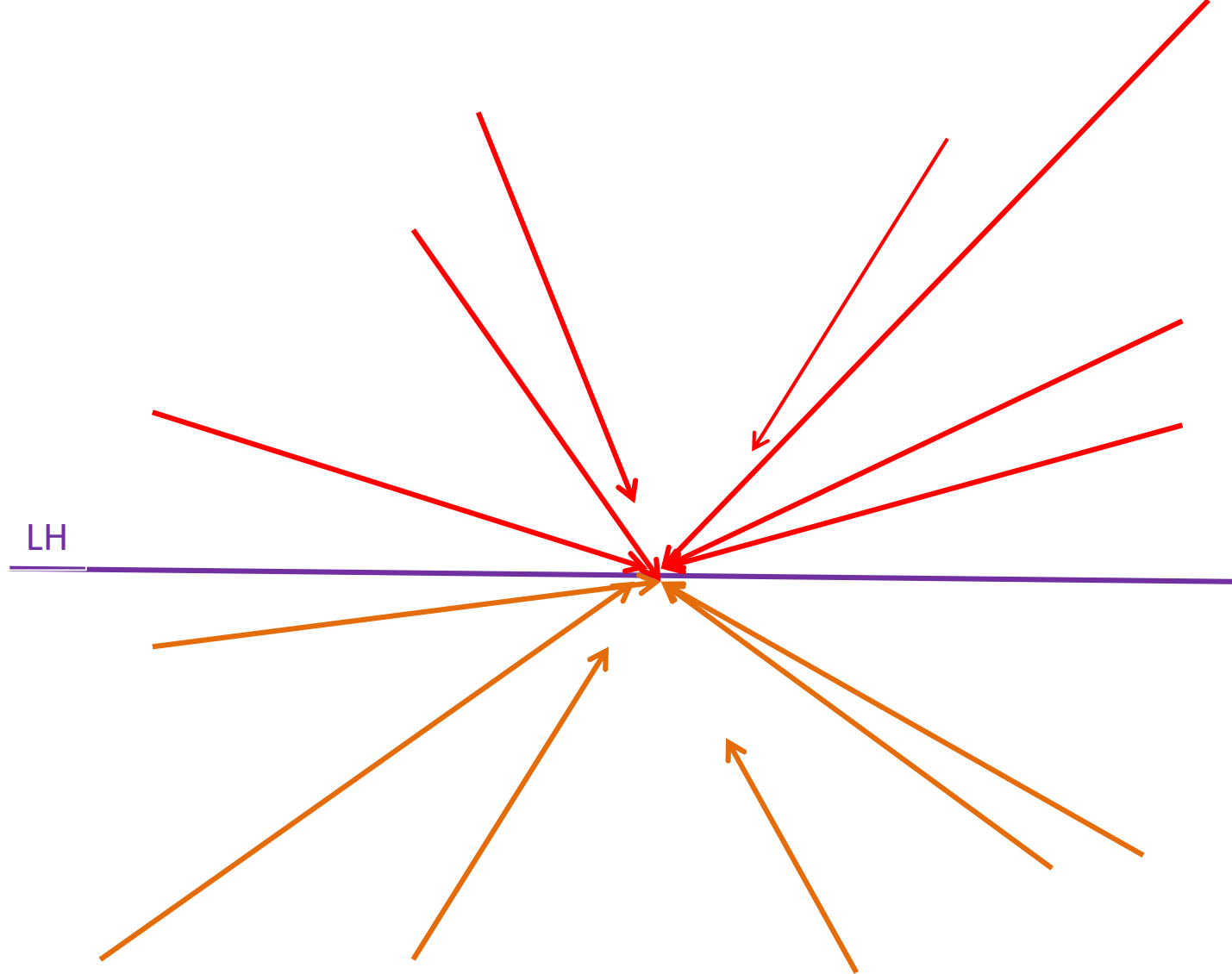
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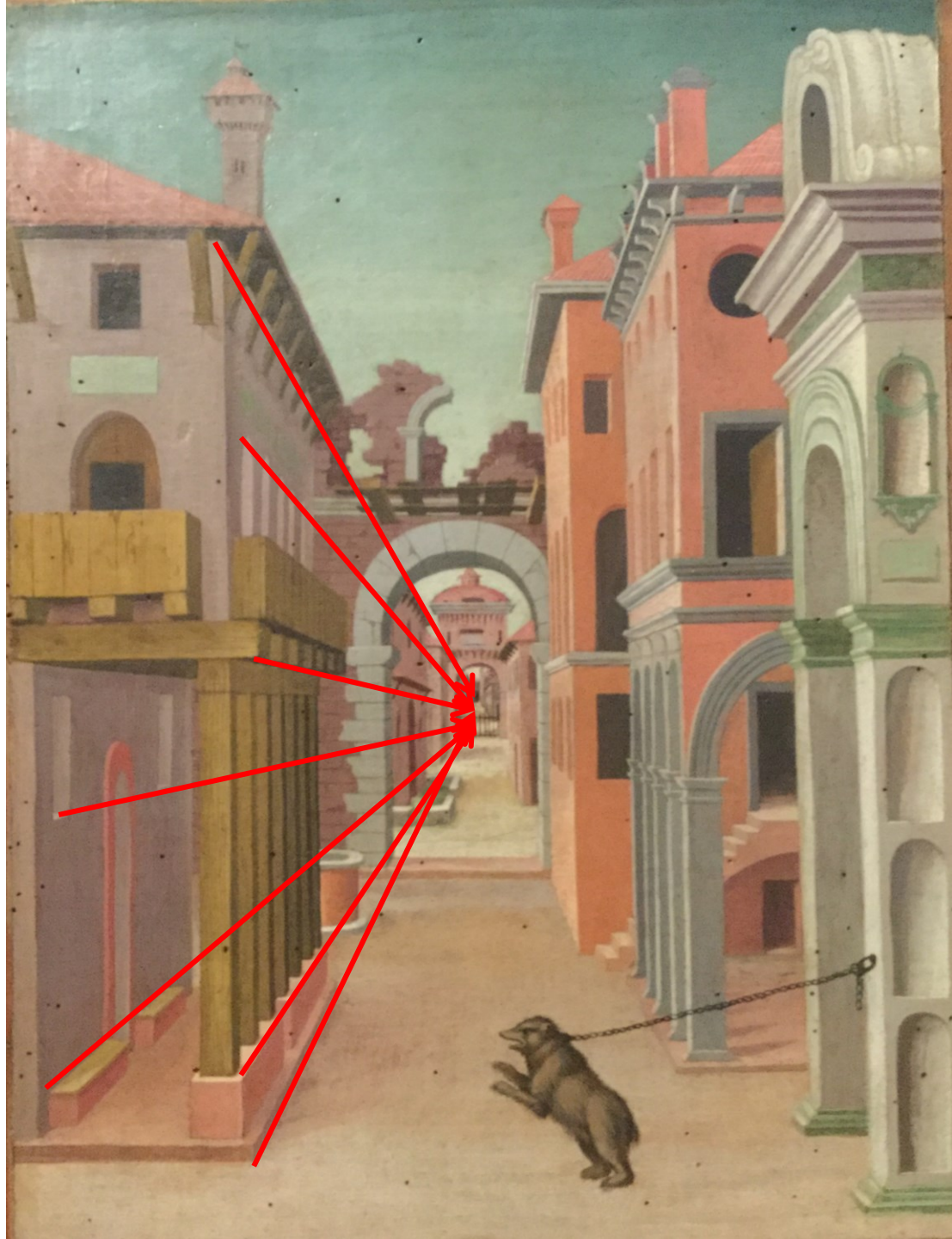


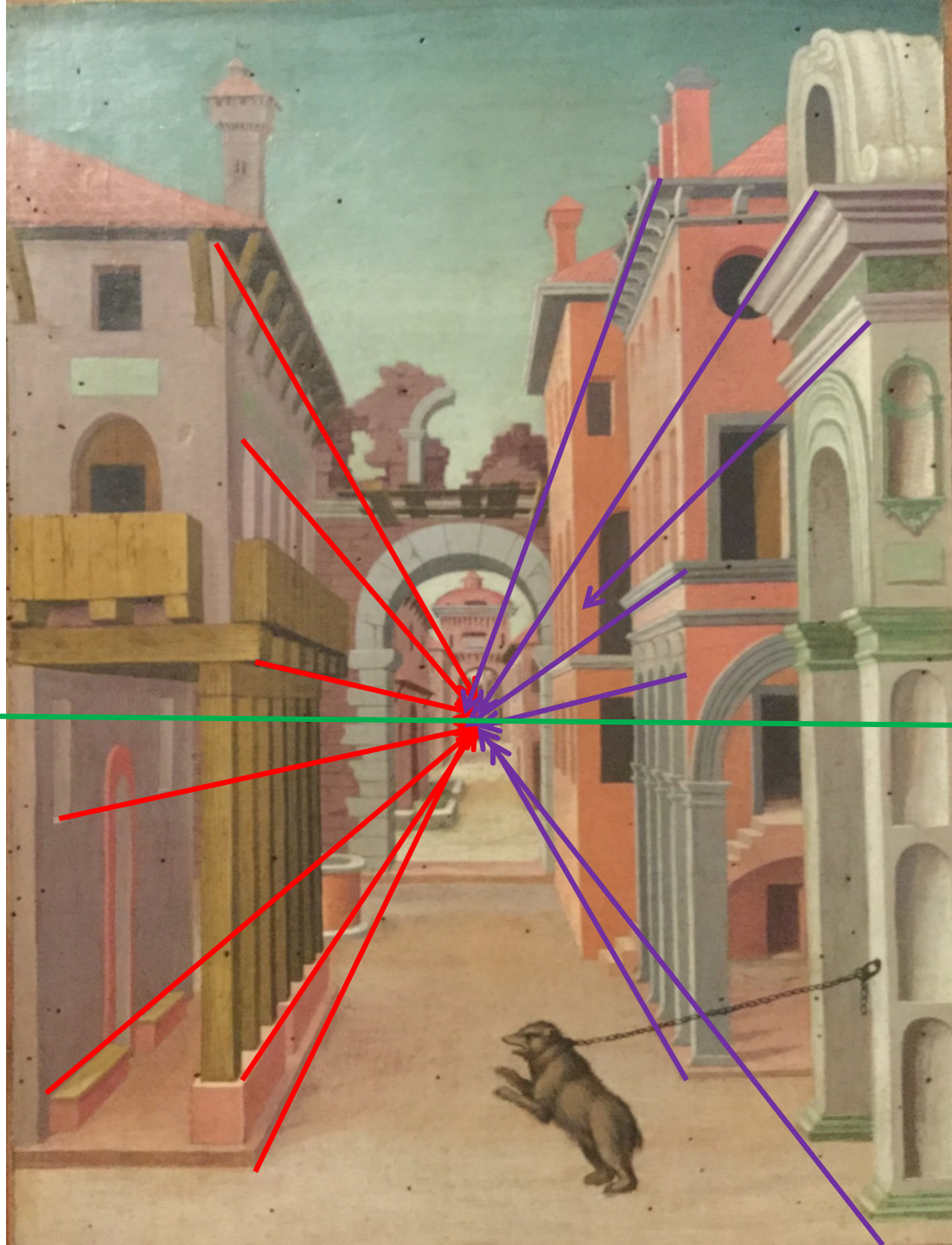
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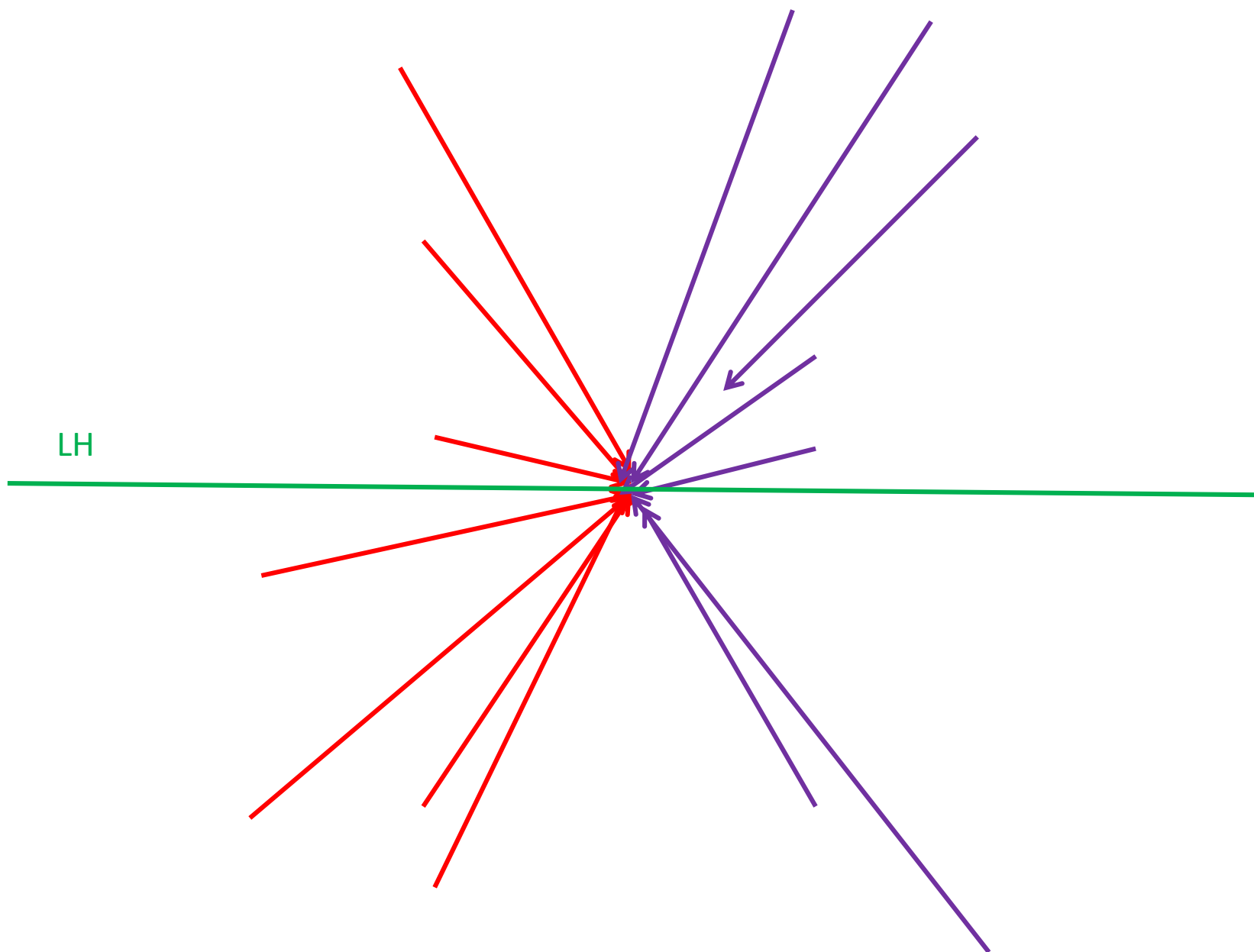












No desenho de observação à vista a
perspetiva é um sistema de gestão de
direções!

Vamos ver
juntos!



























→ Percorso di visita
Direction of visit
Parcours de visite
Der Rundgang

→ Appartamento
del Doge
Doge's Apartment
Appartamento
du Doge
Dogenzimmer
Doge's Apartment



→ Per la visita
Chiedi al visit
securi de visita
...
→ Appartamento
del Doge
...
Doge's
Appartments
...
Appartement
du Doge
...
Dogenzimmer
...





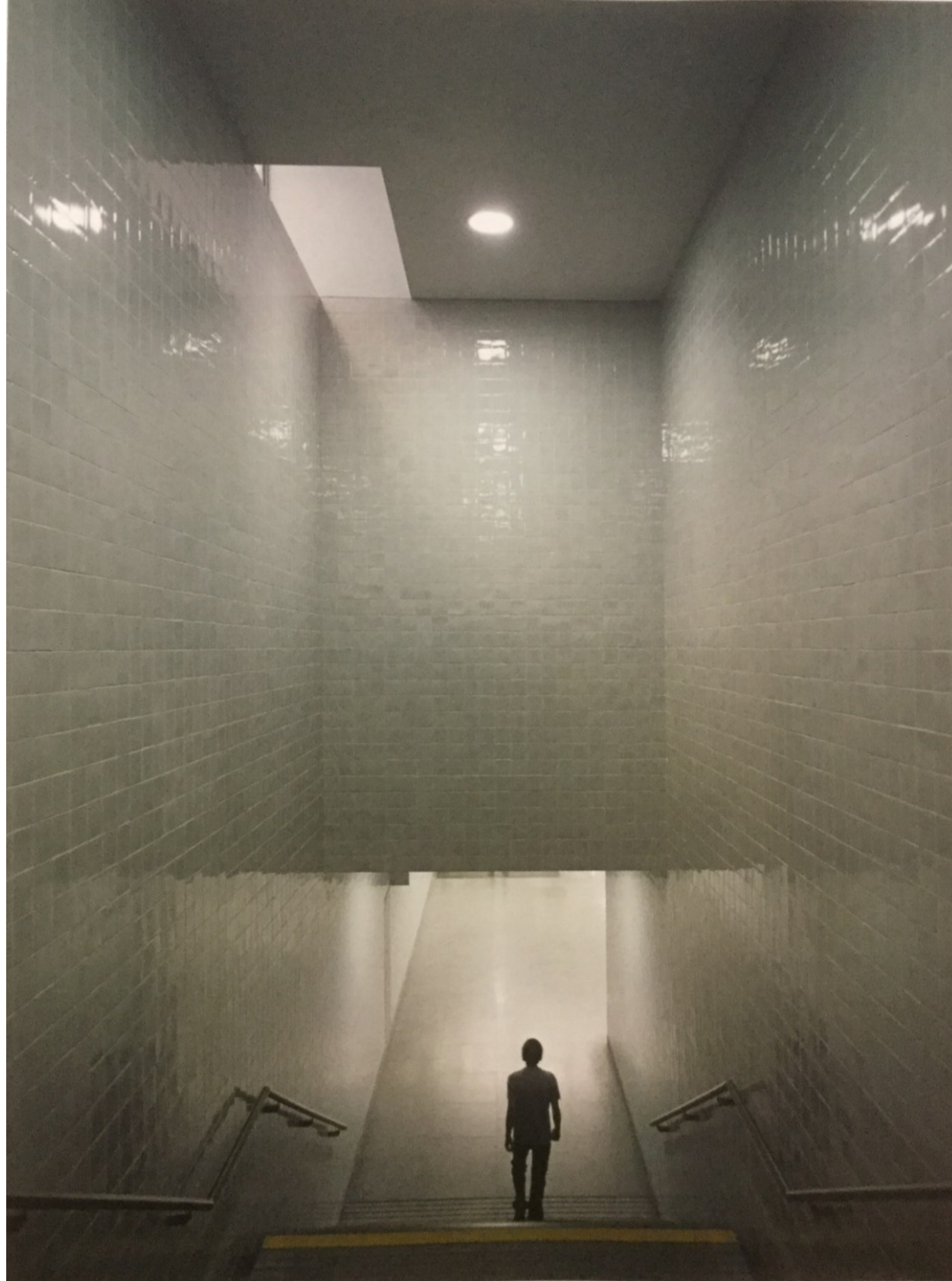


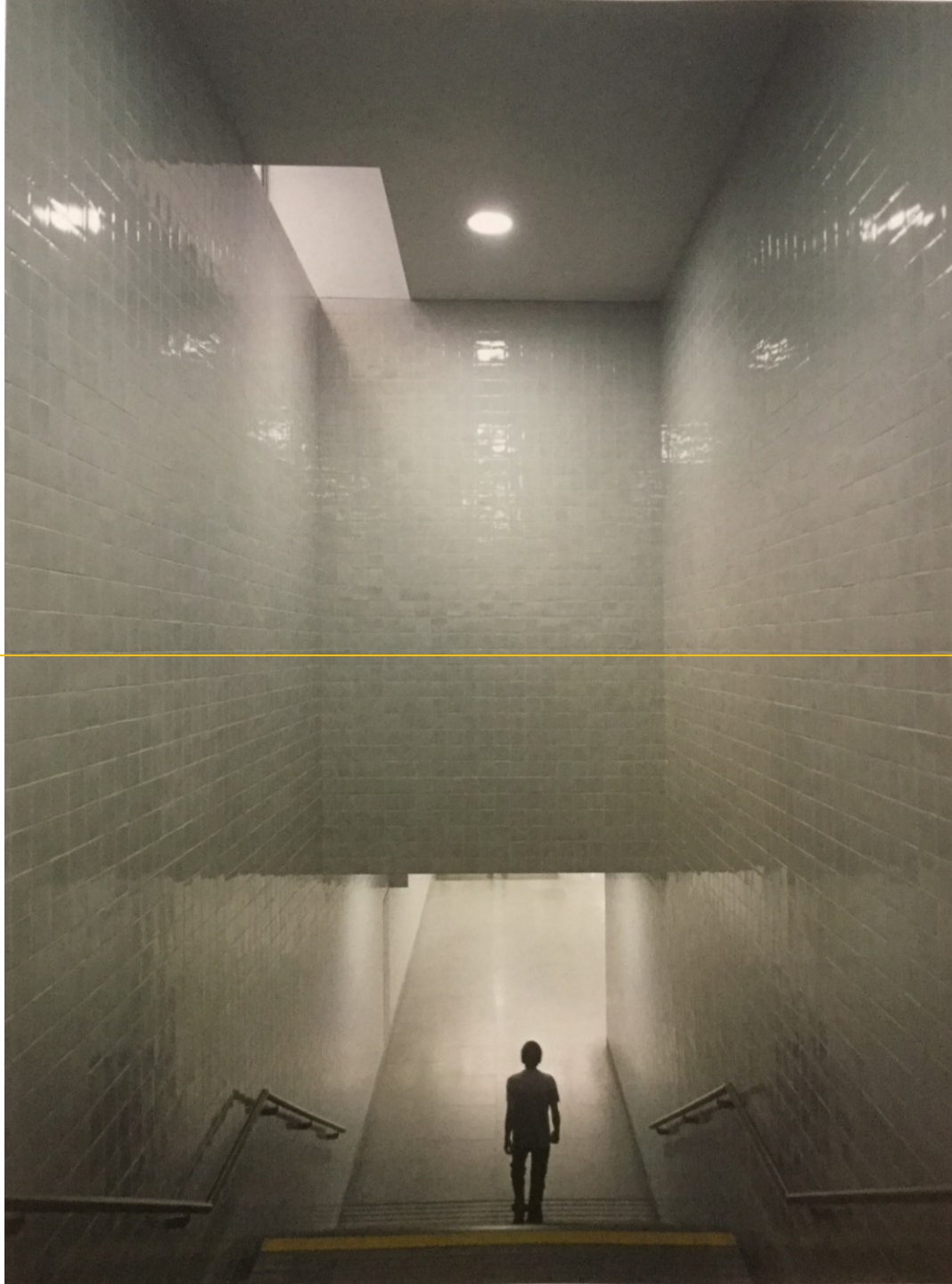


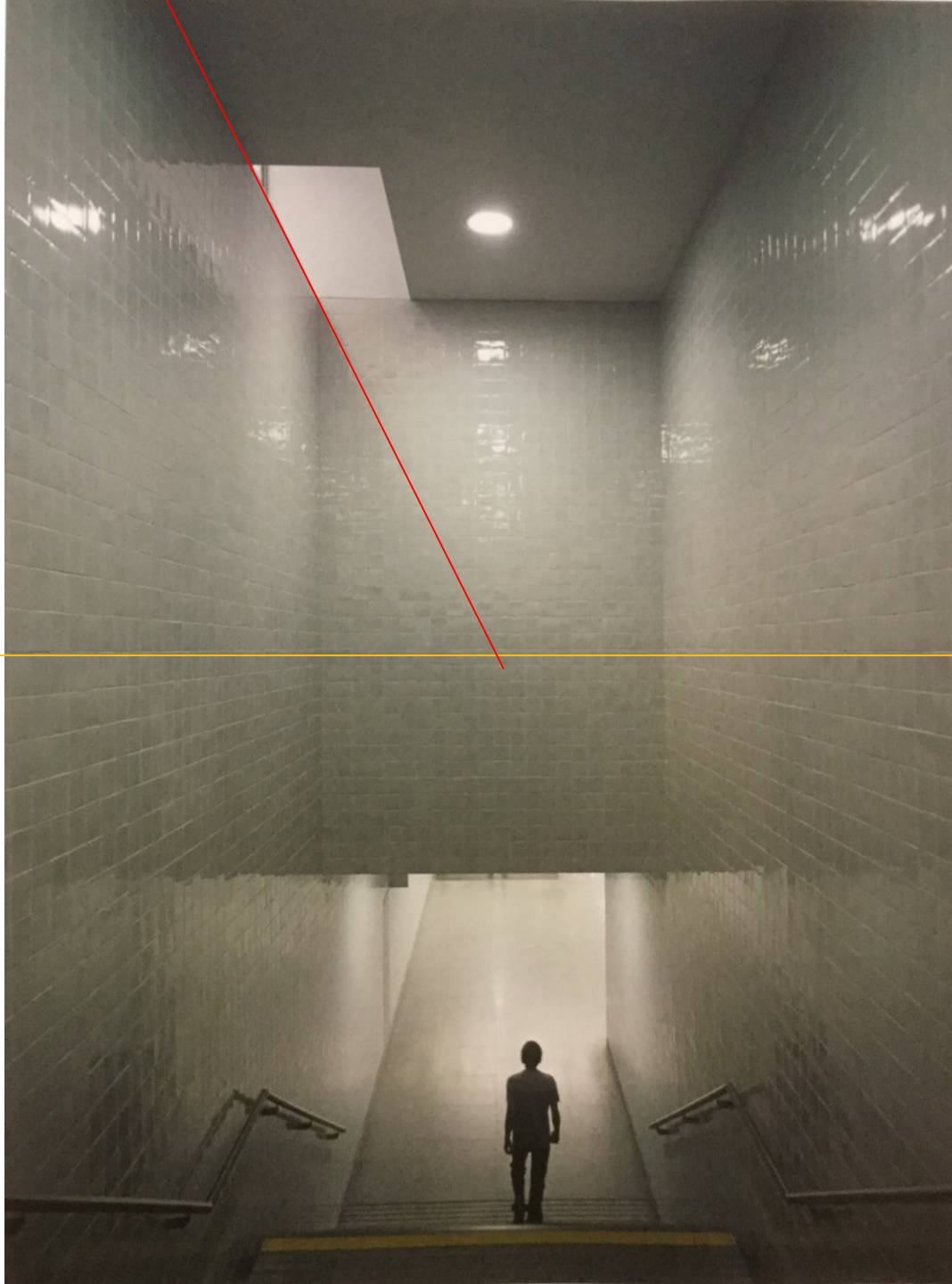


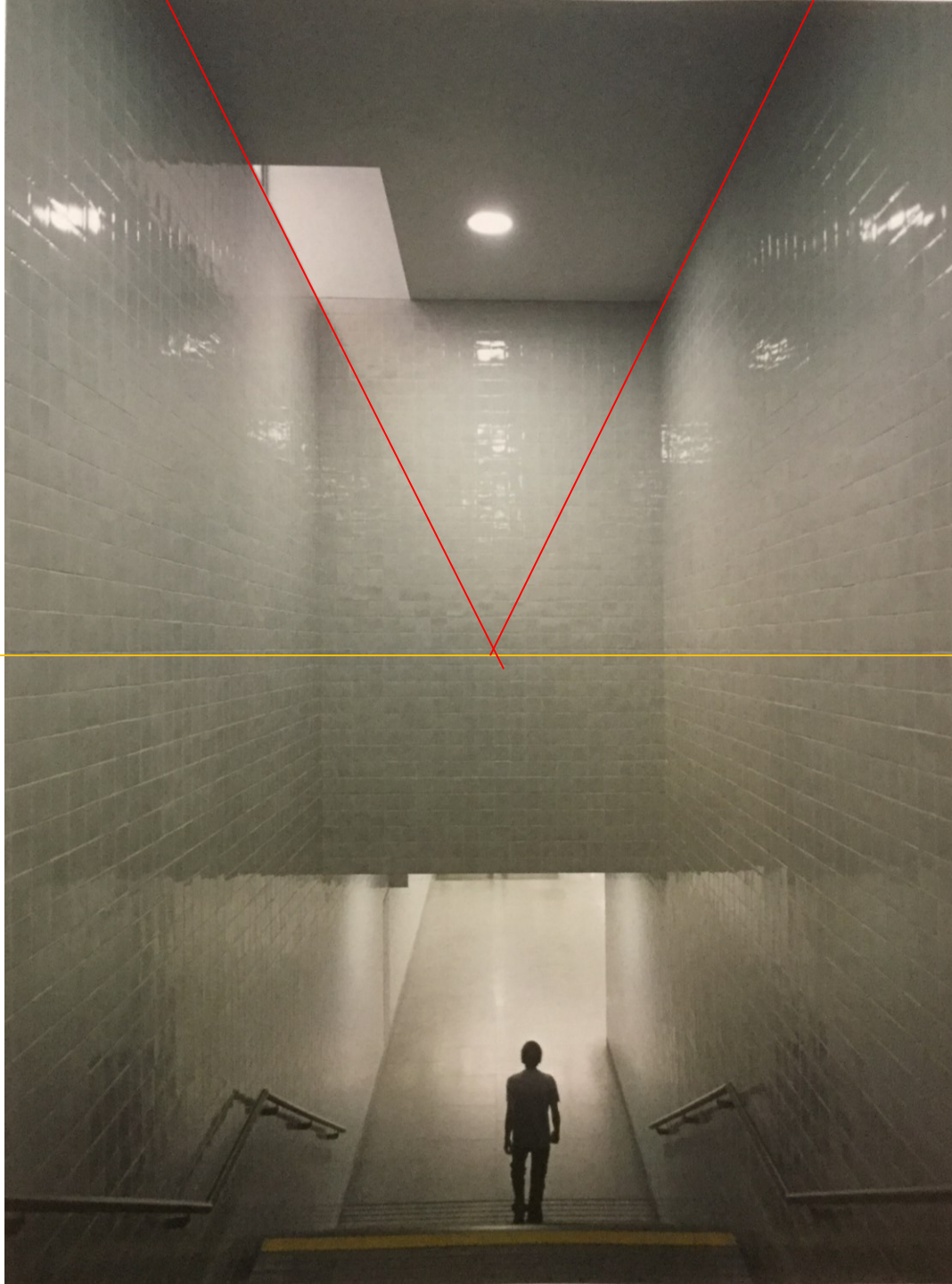


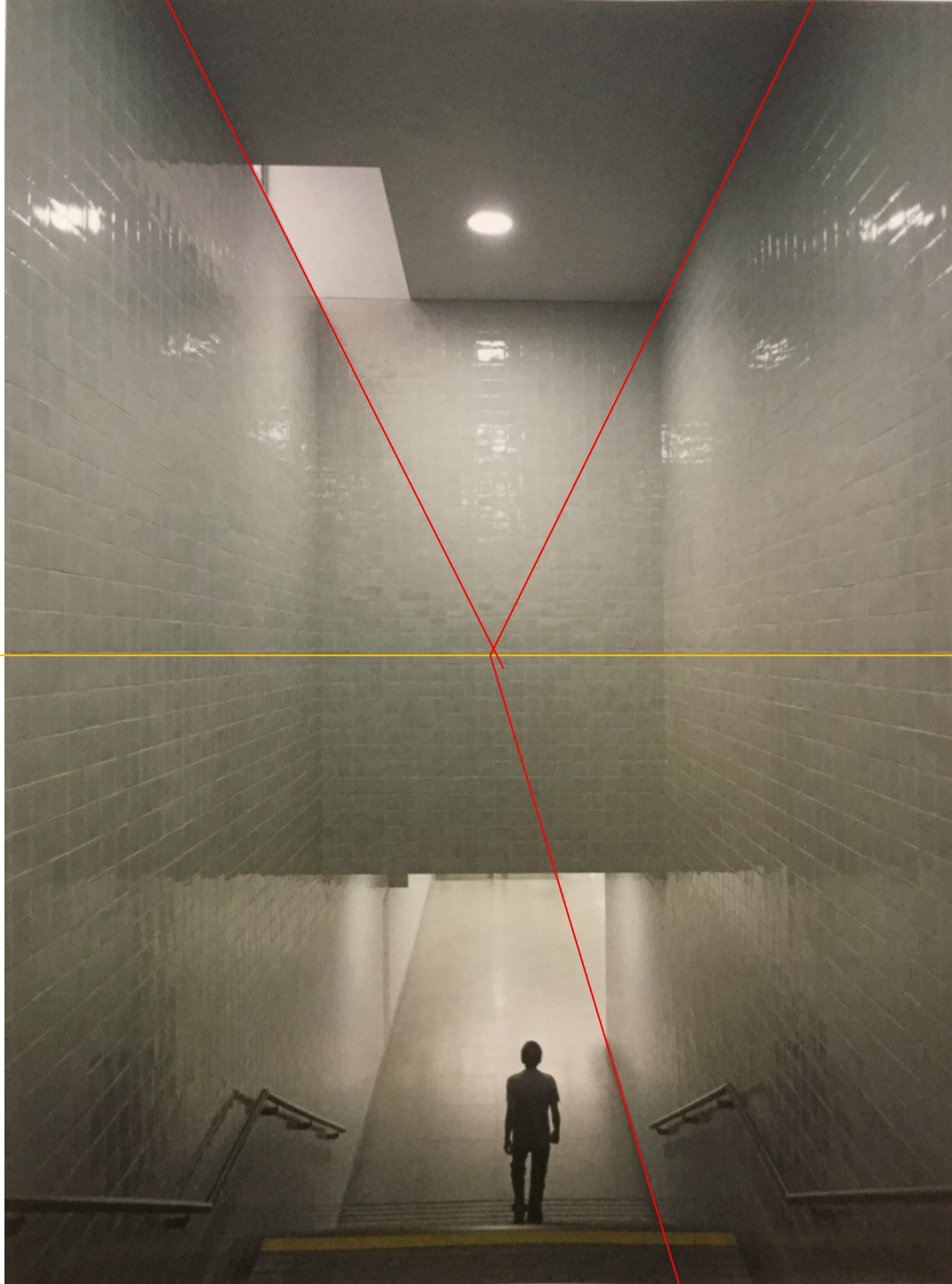


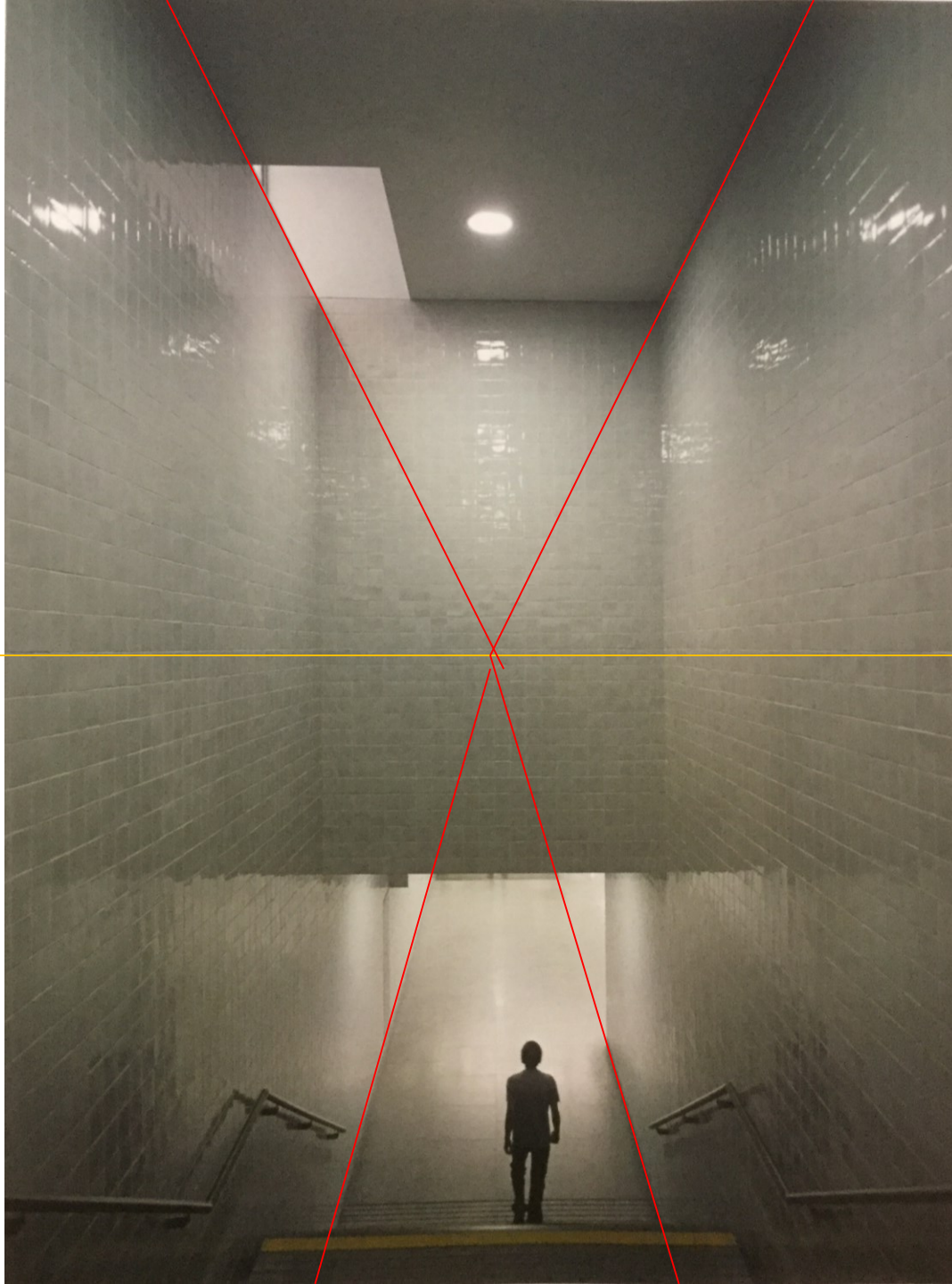


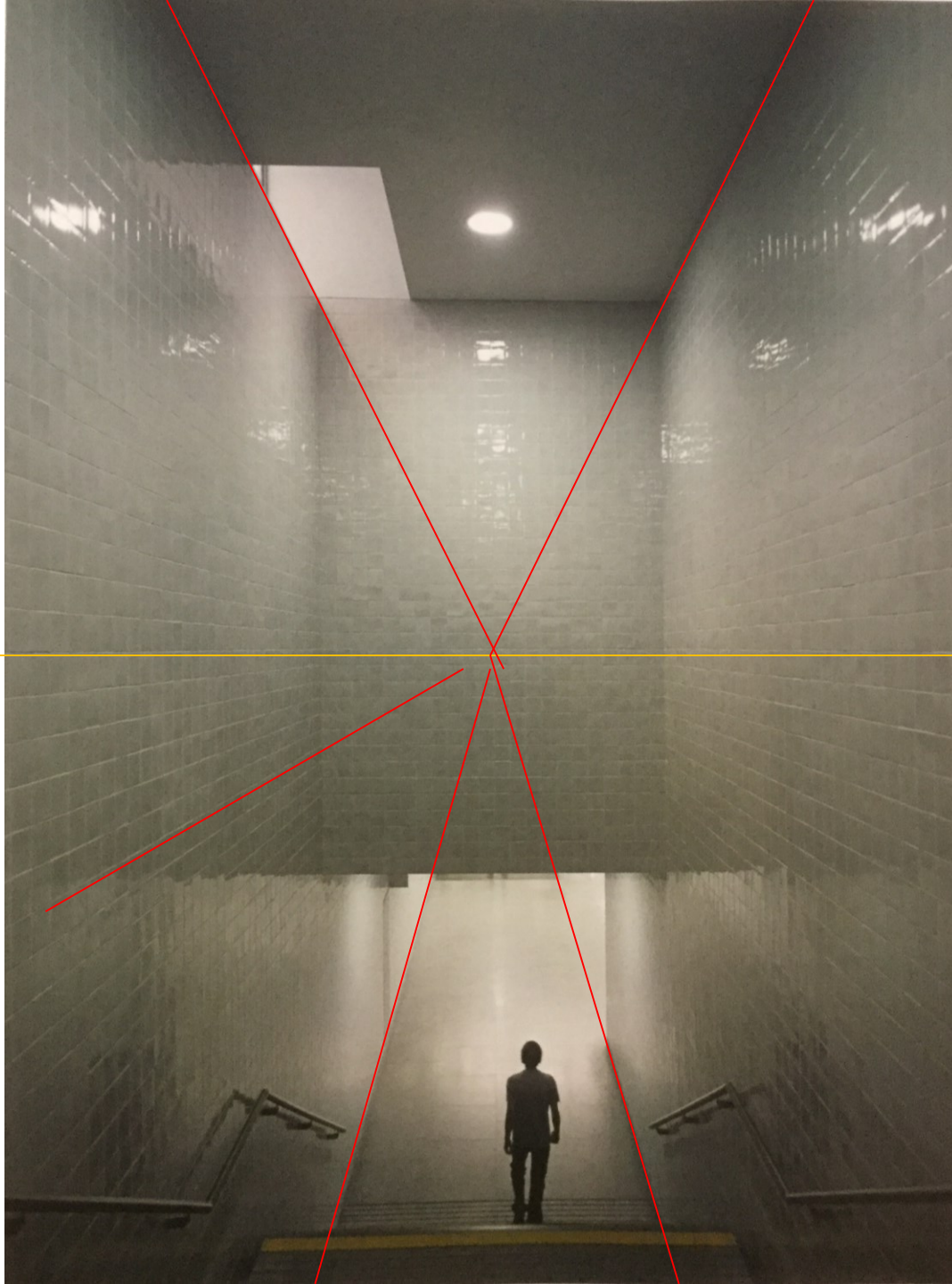




















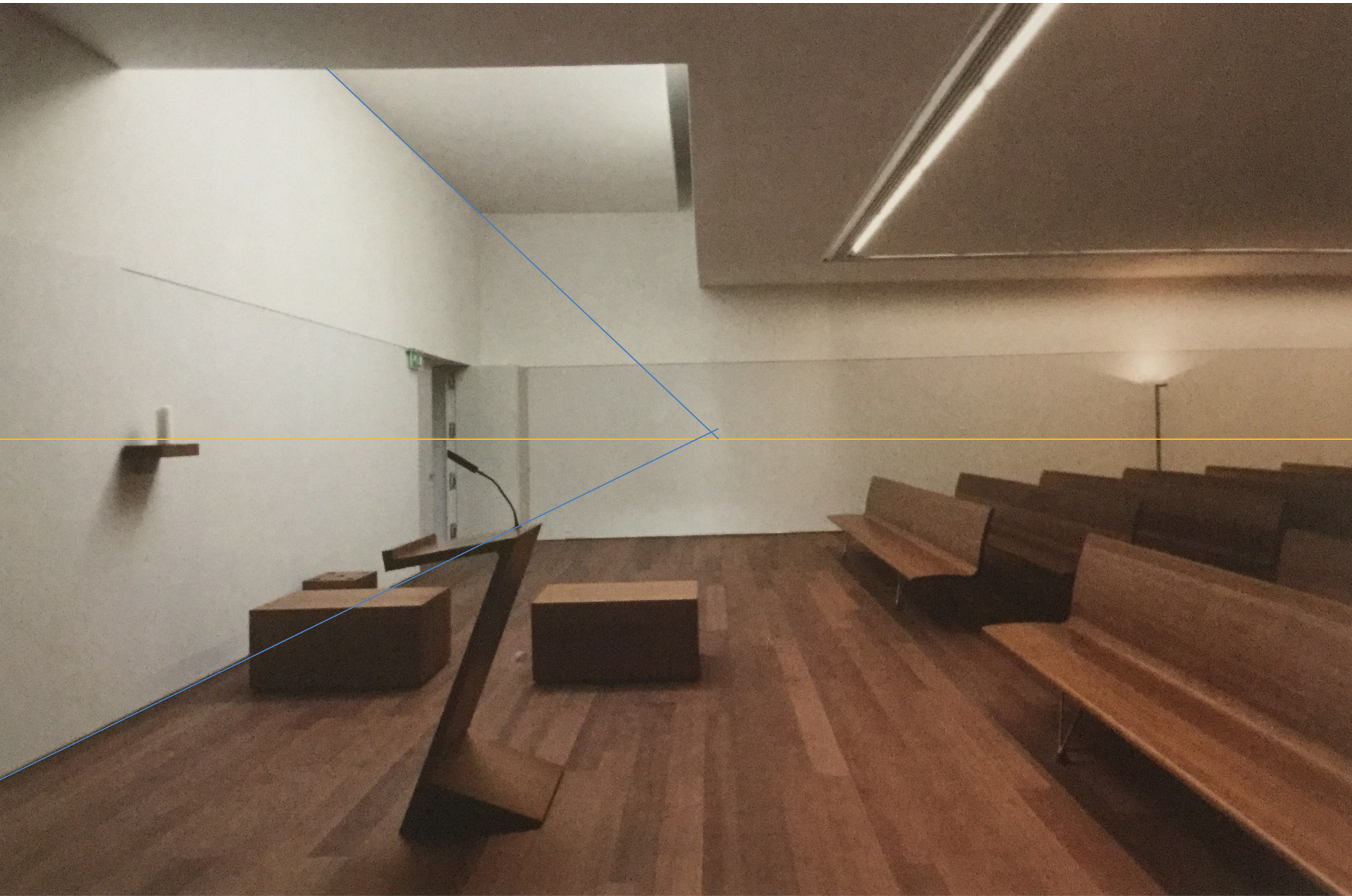
















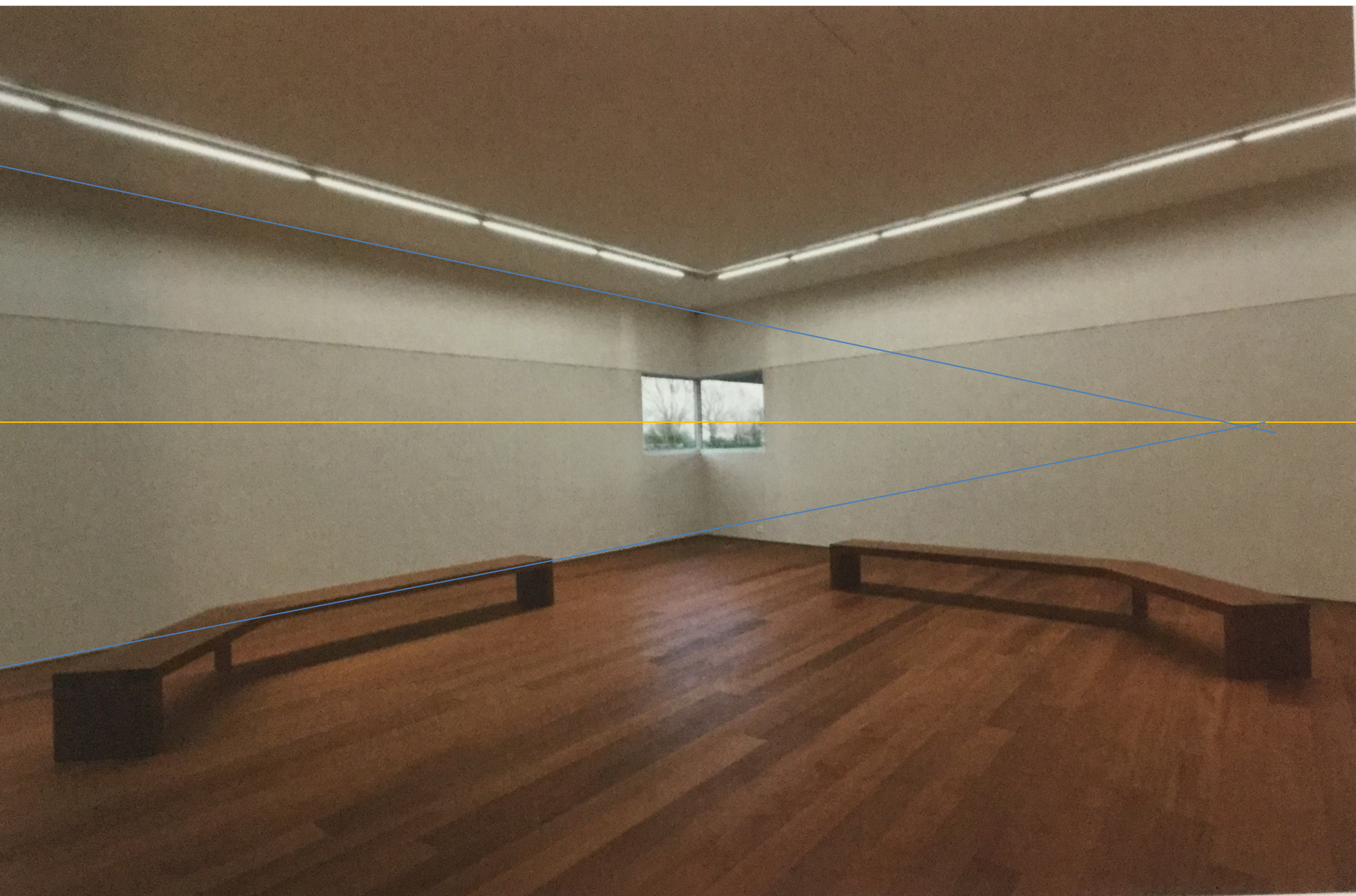
Obrigado!

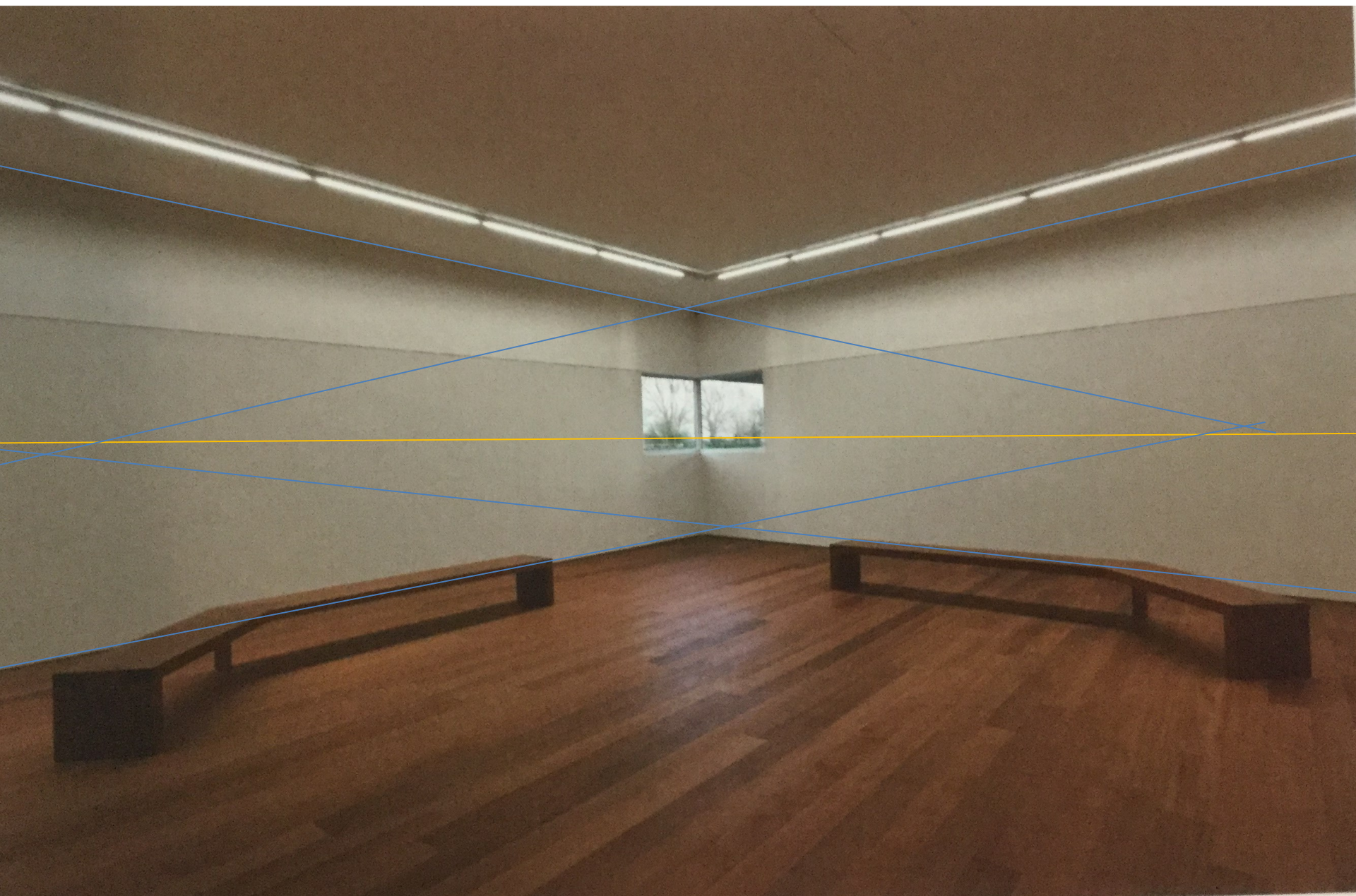
OBSERVADOR

























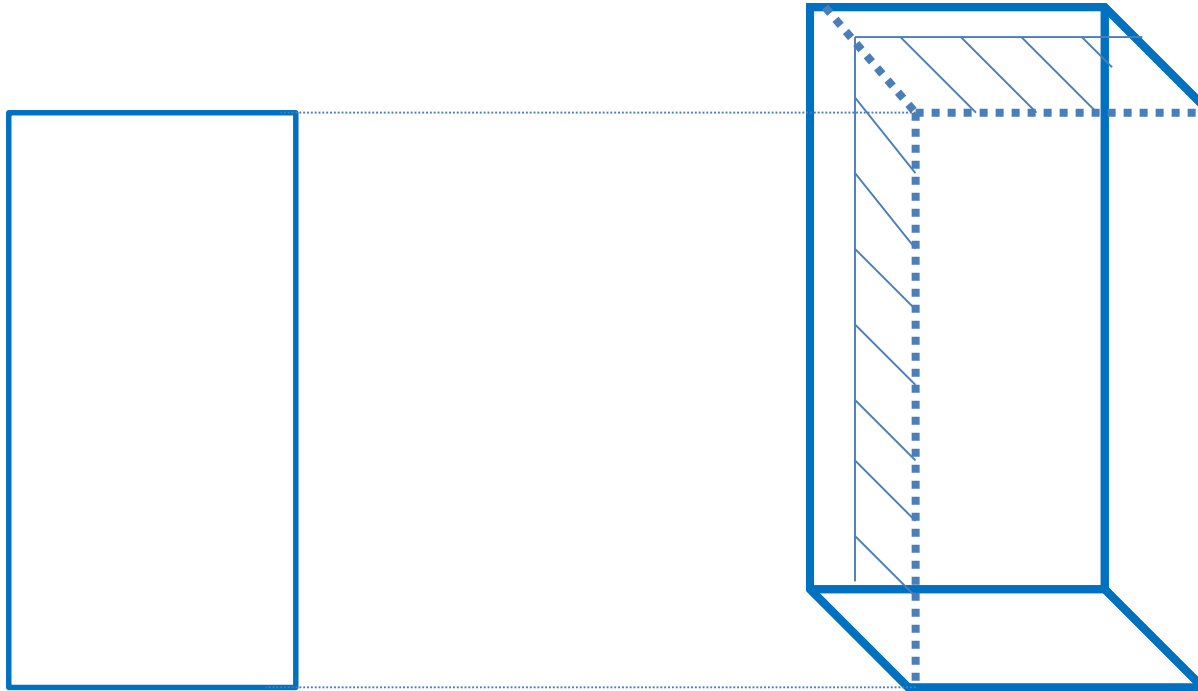




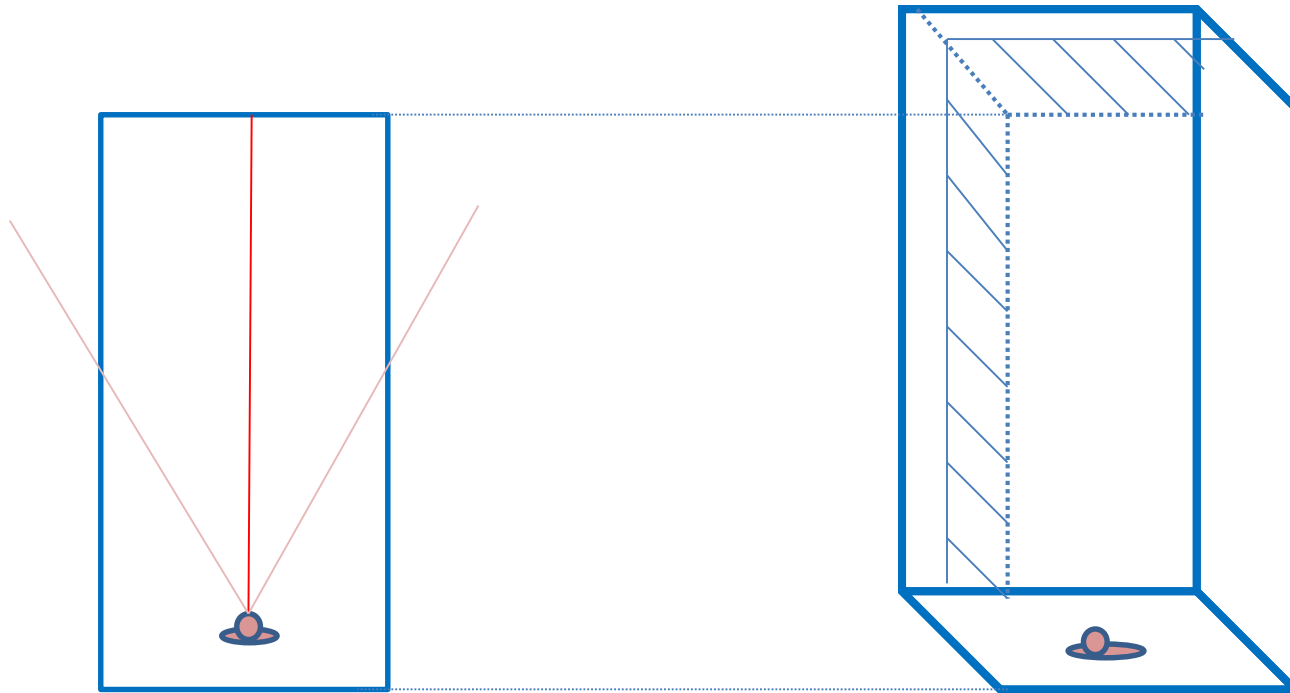
Vamos desenhar
juntos!

Pega em papel e lápis

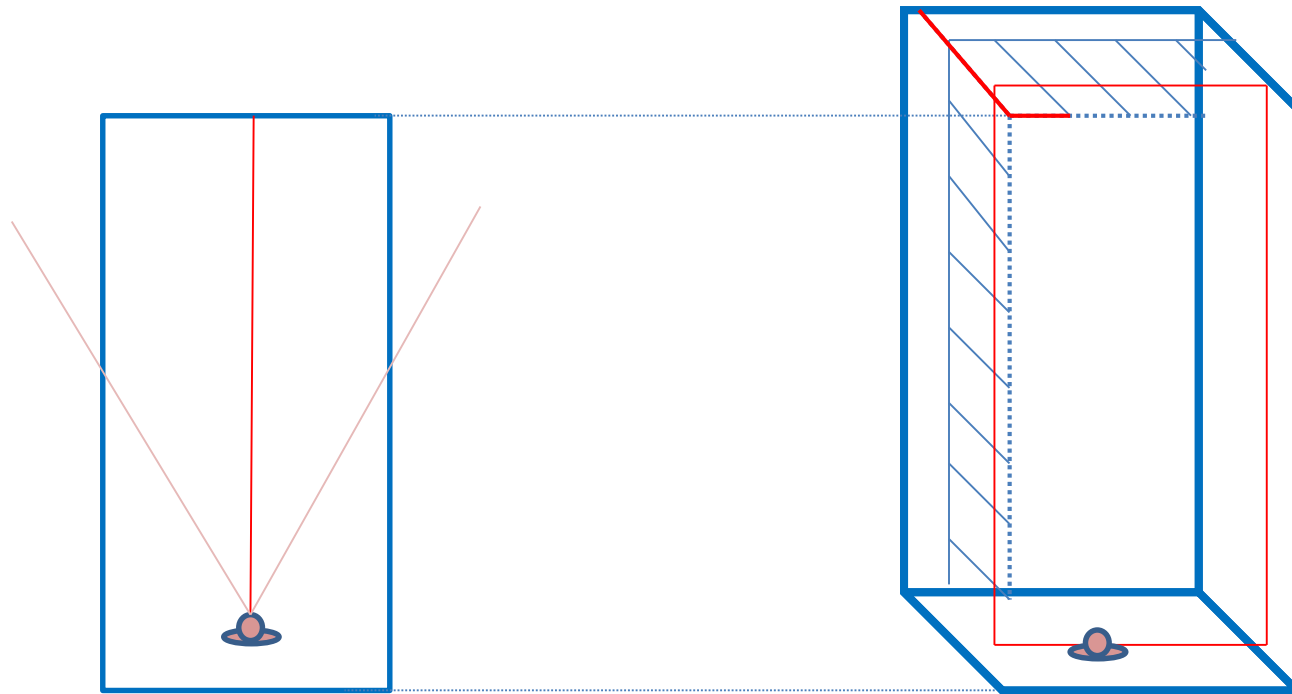
Imagina...



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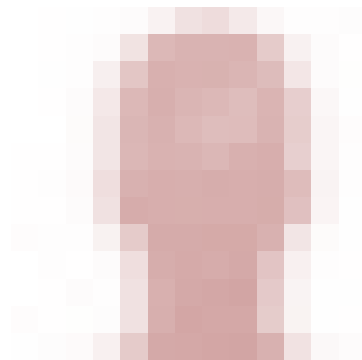


Imagina...



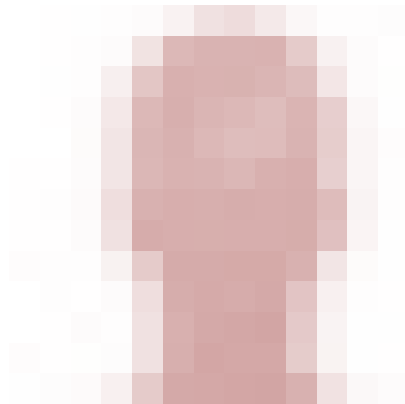


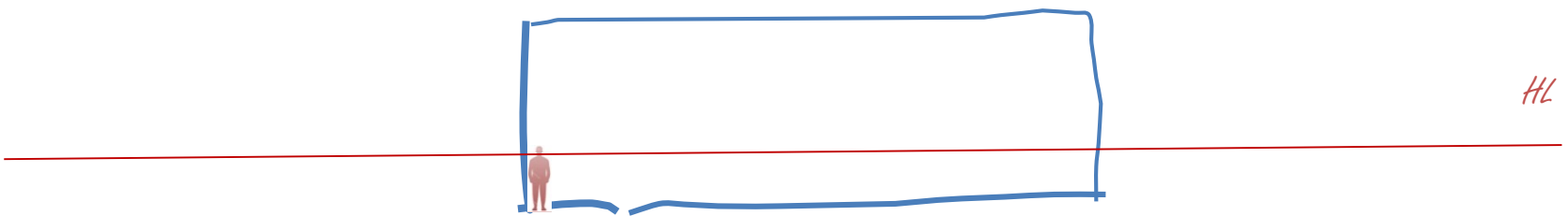
Começa a desenhar comigo...



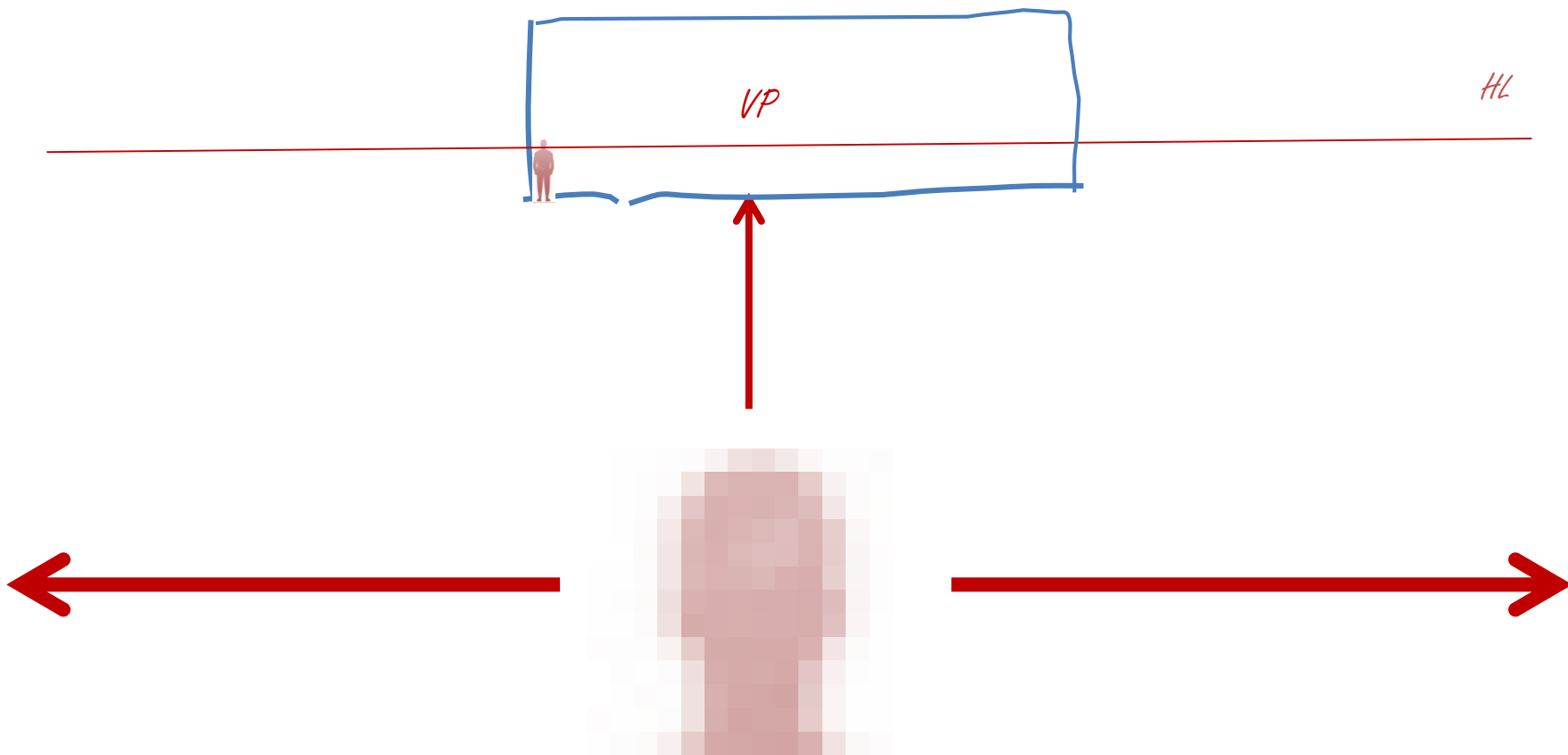




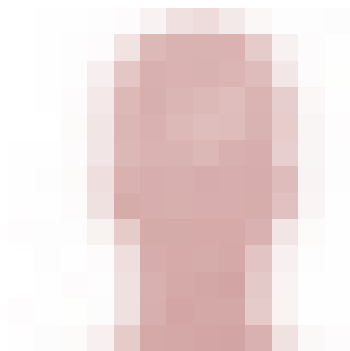
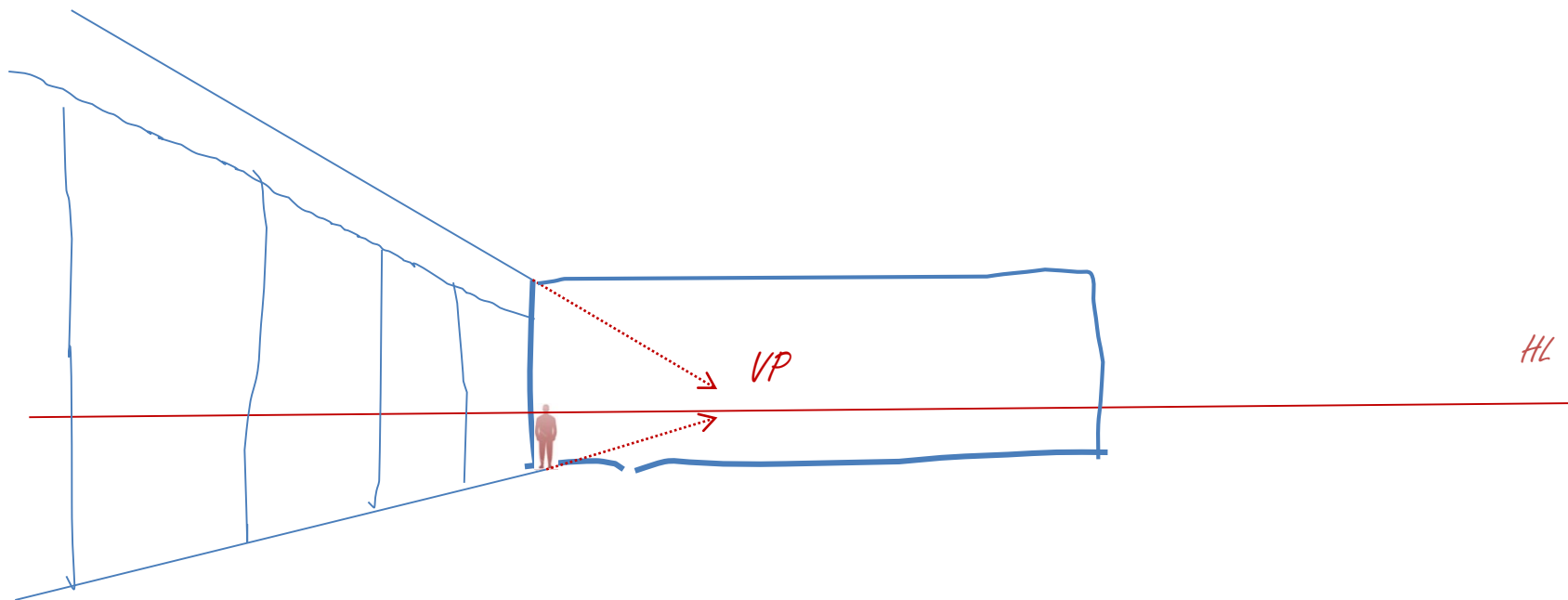




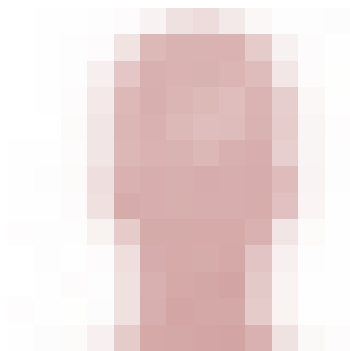
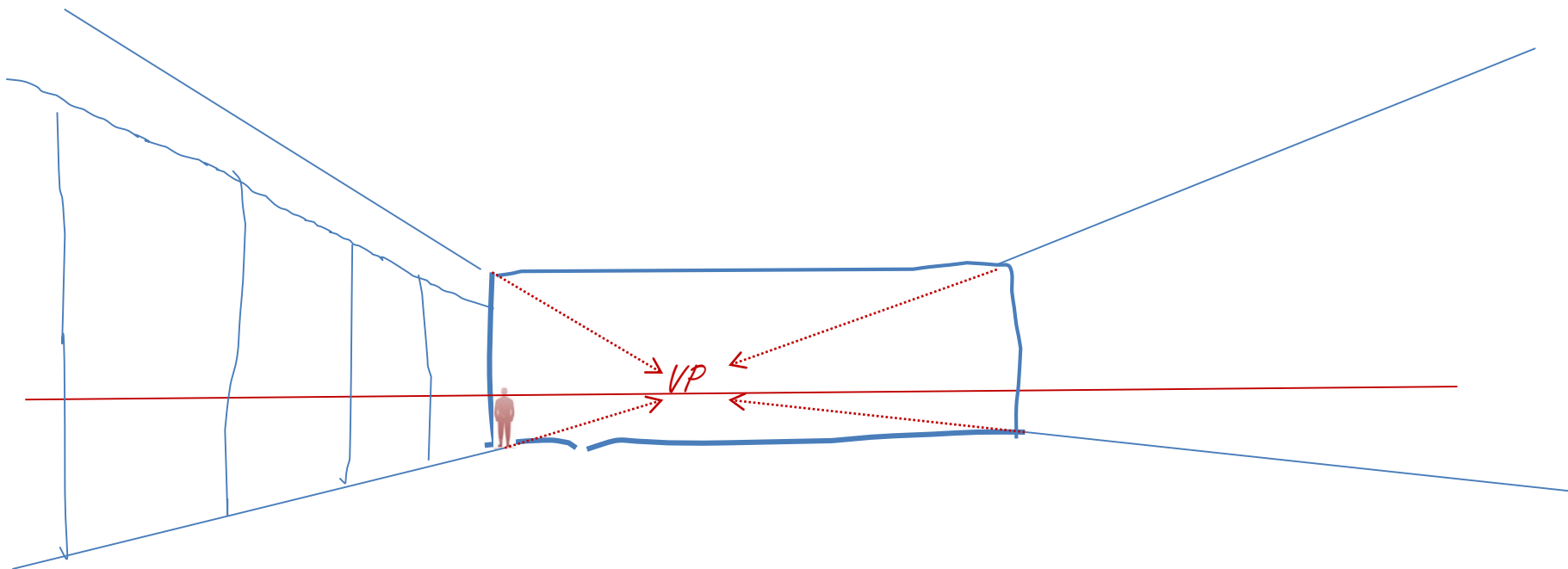




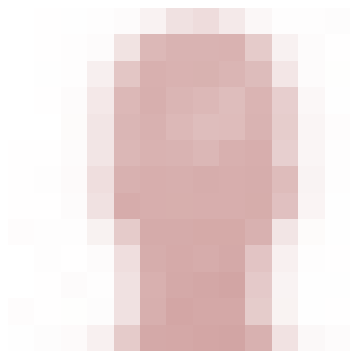
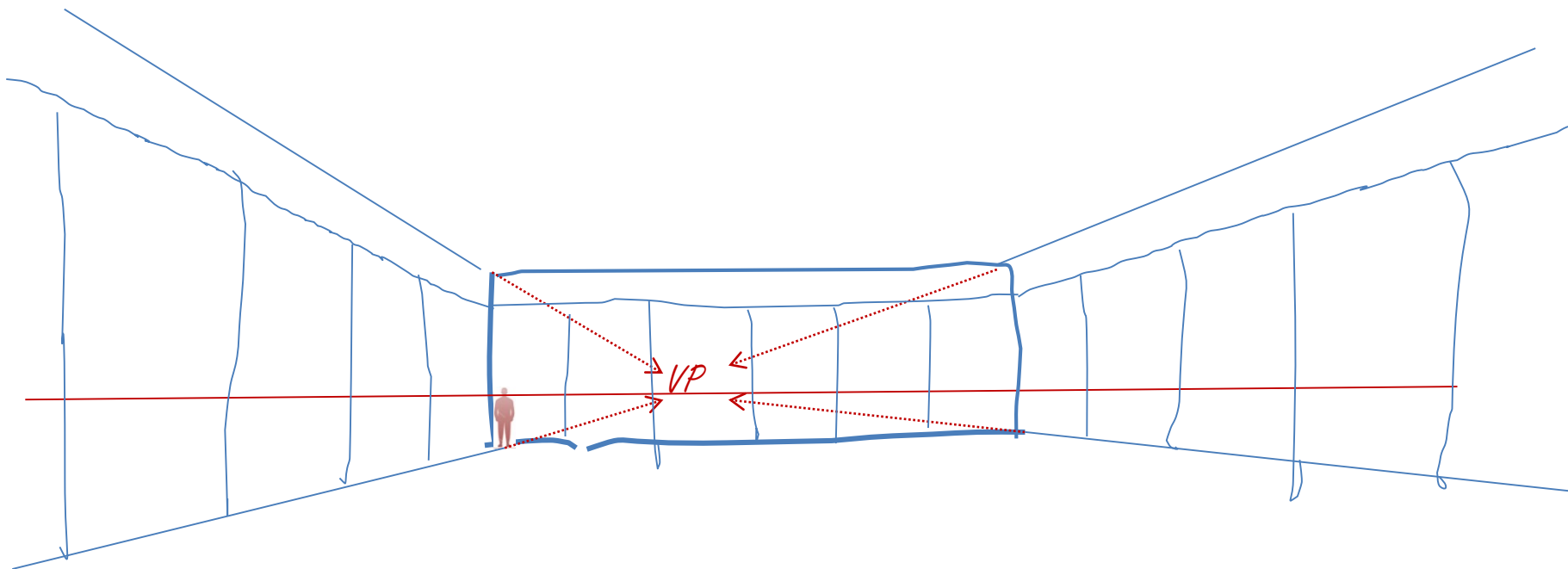












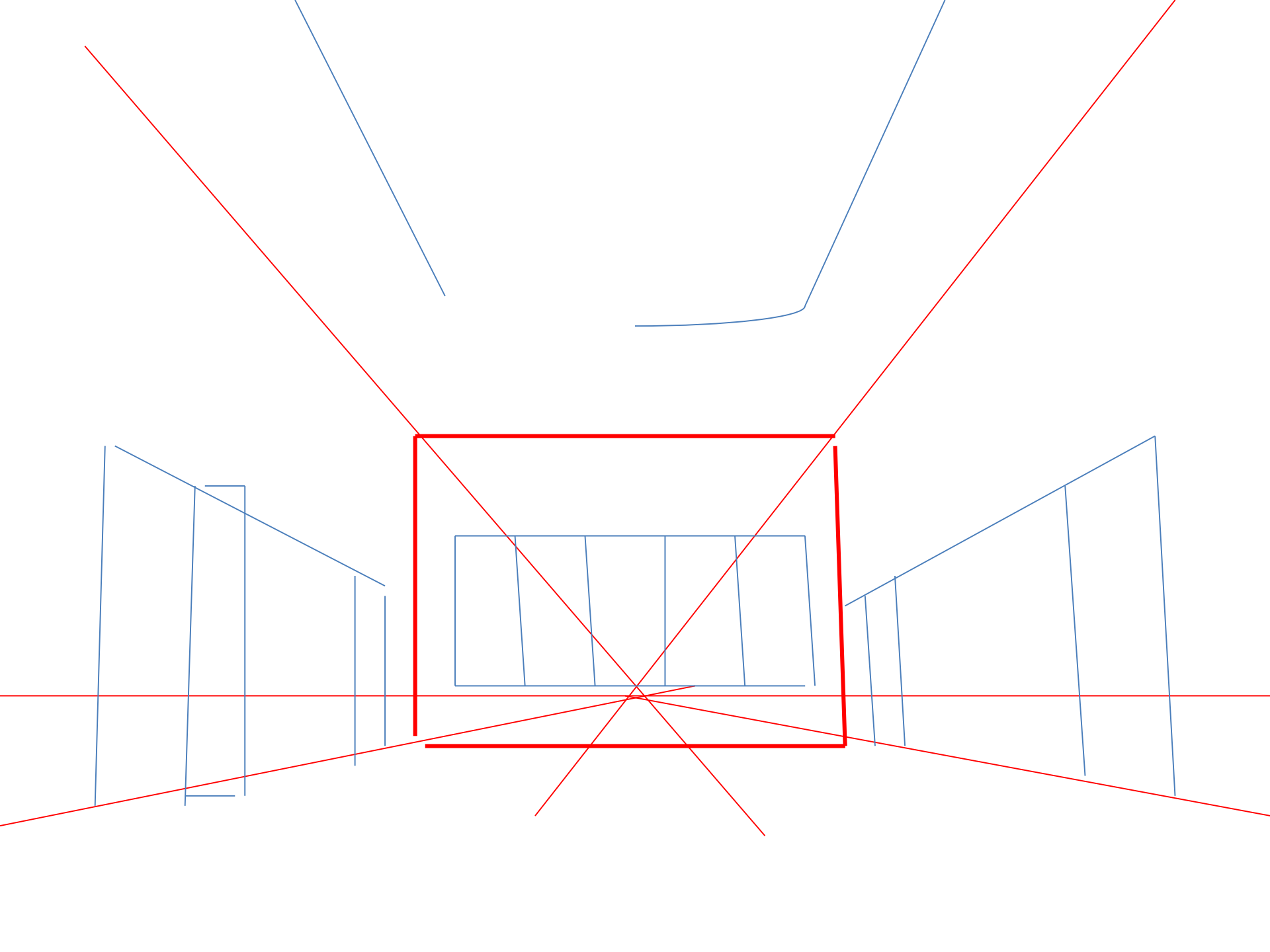




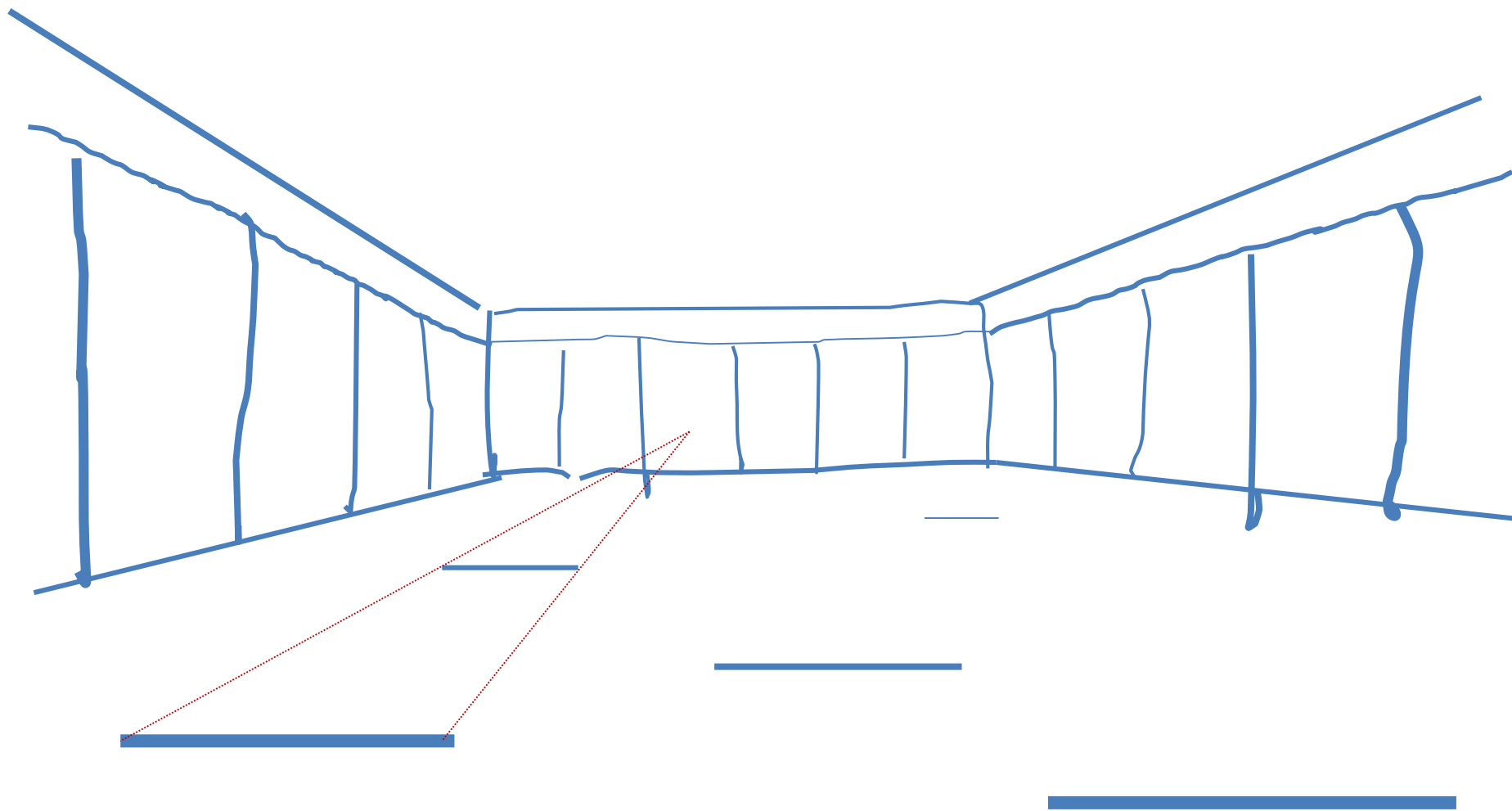










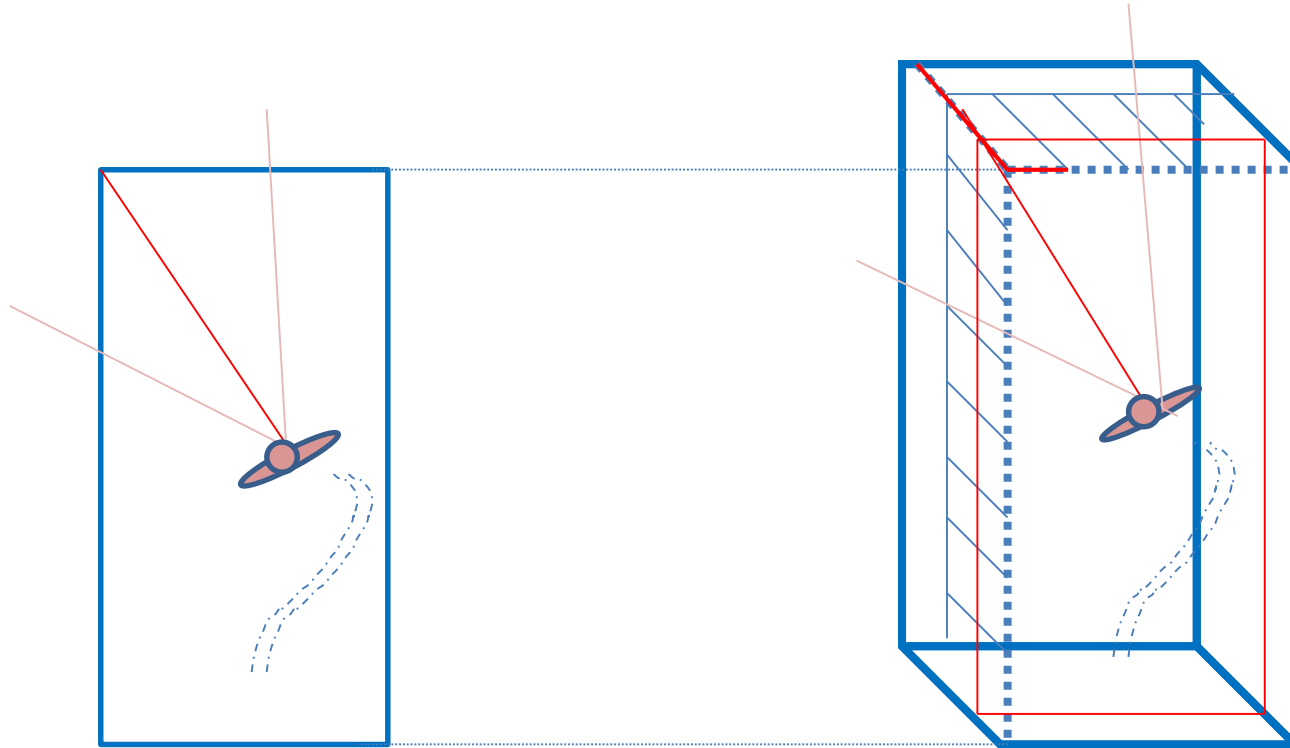




Obrigado!

OBSERVADOR

Imagina...



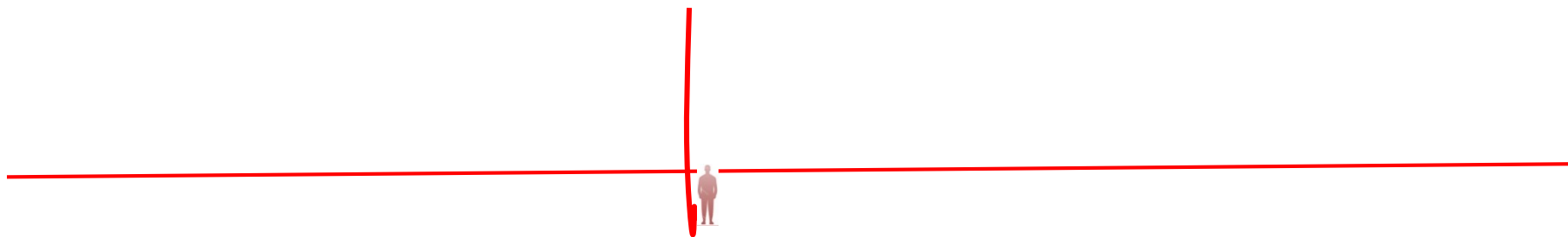


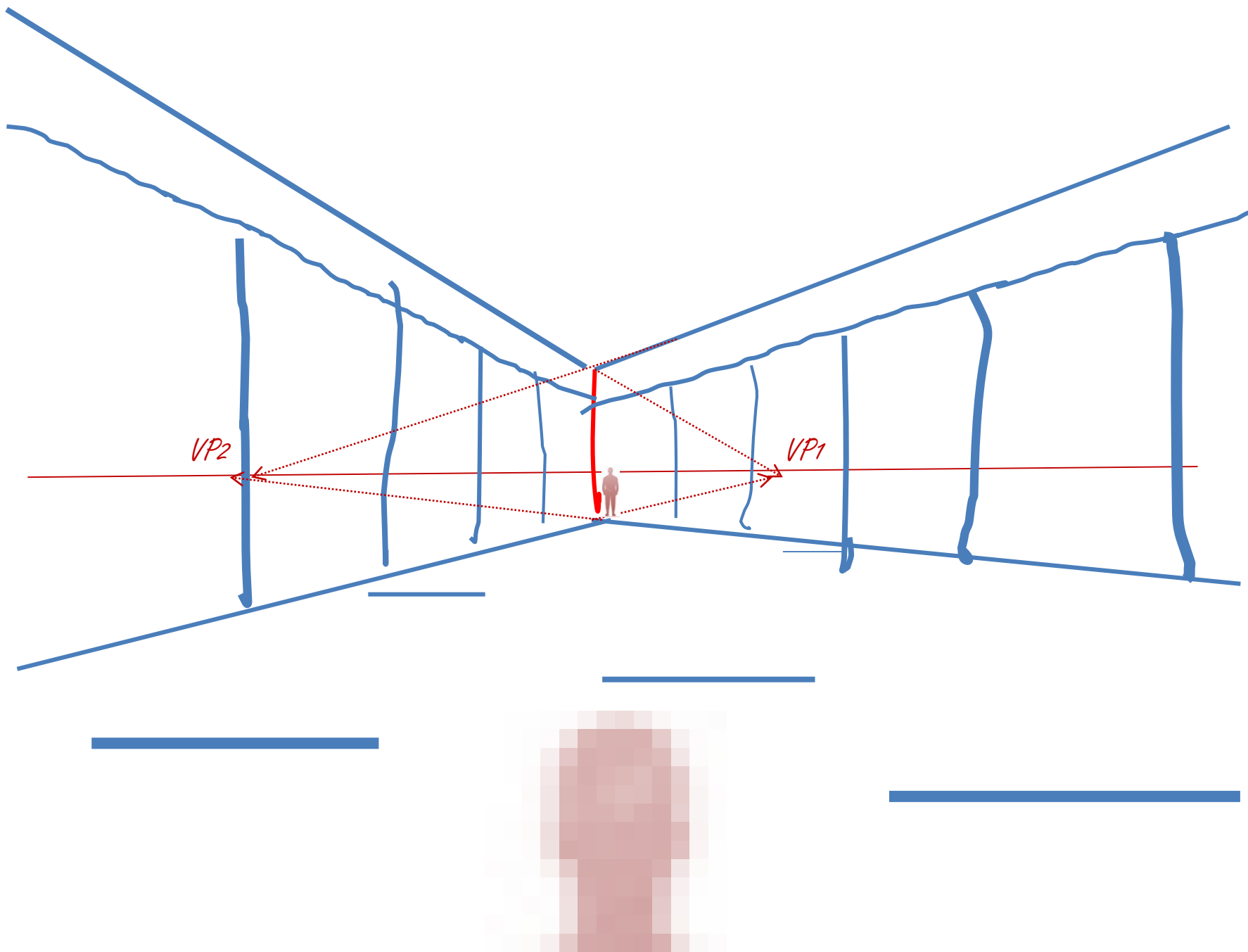
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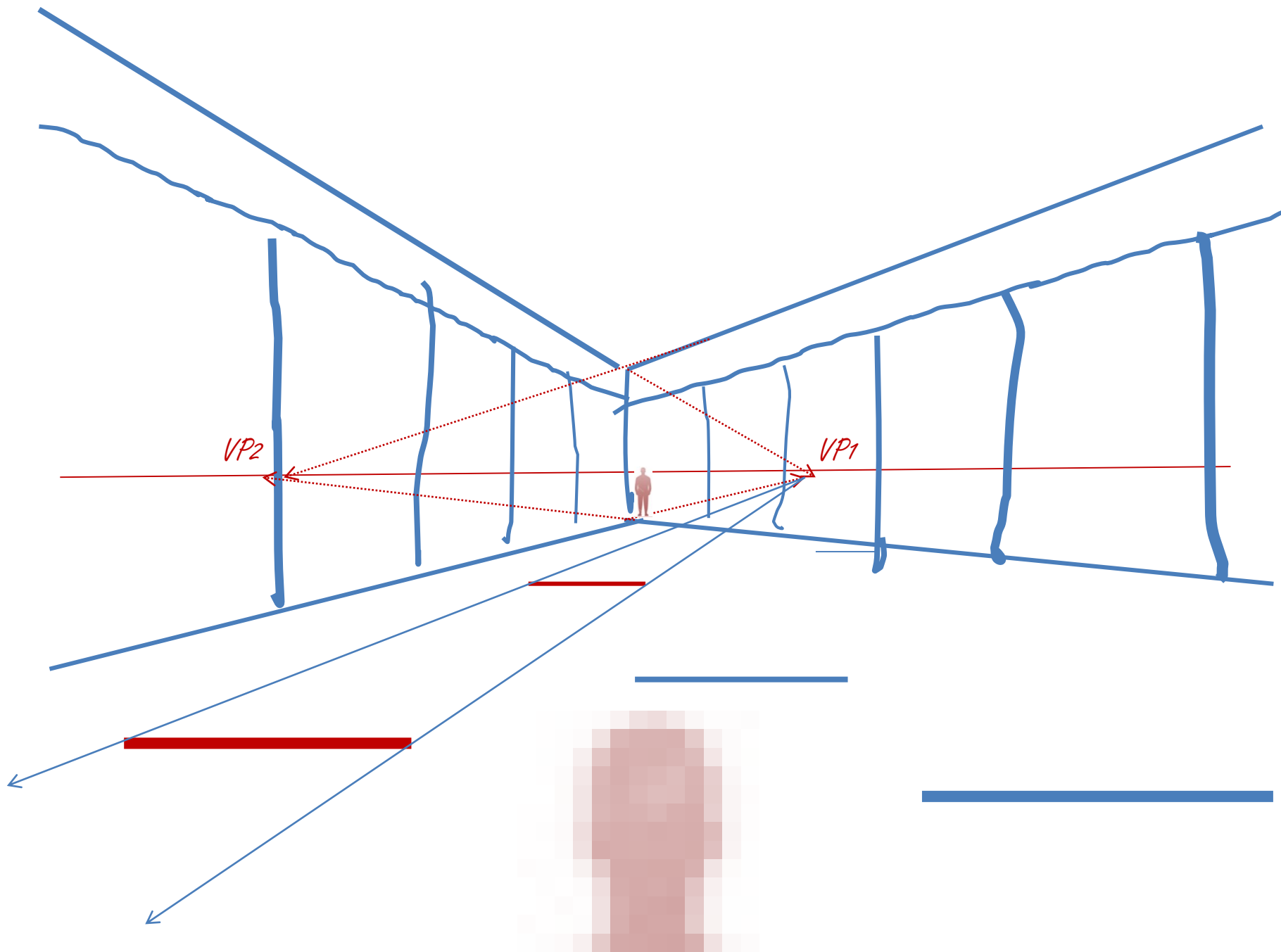




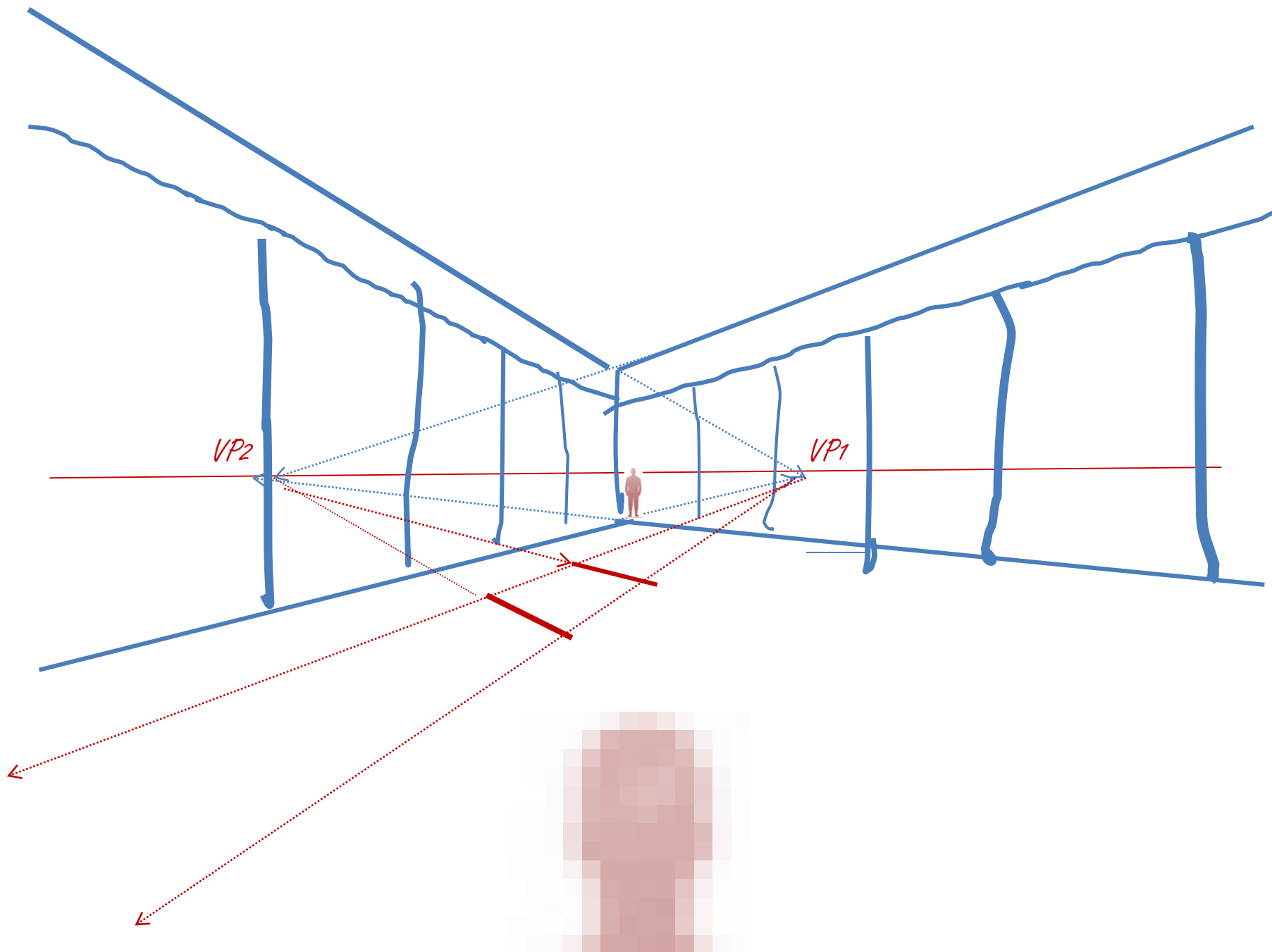




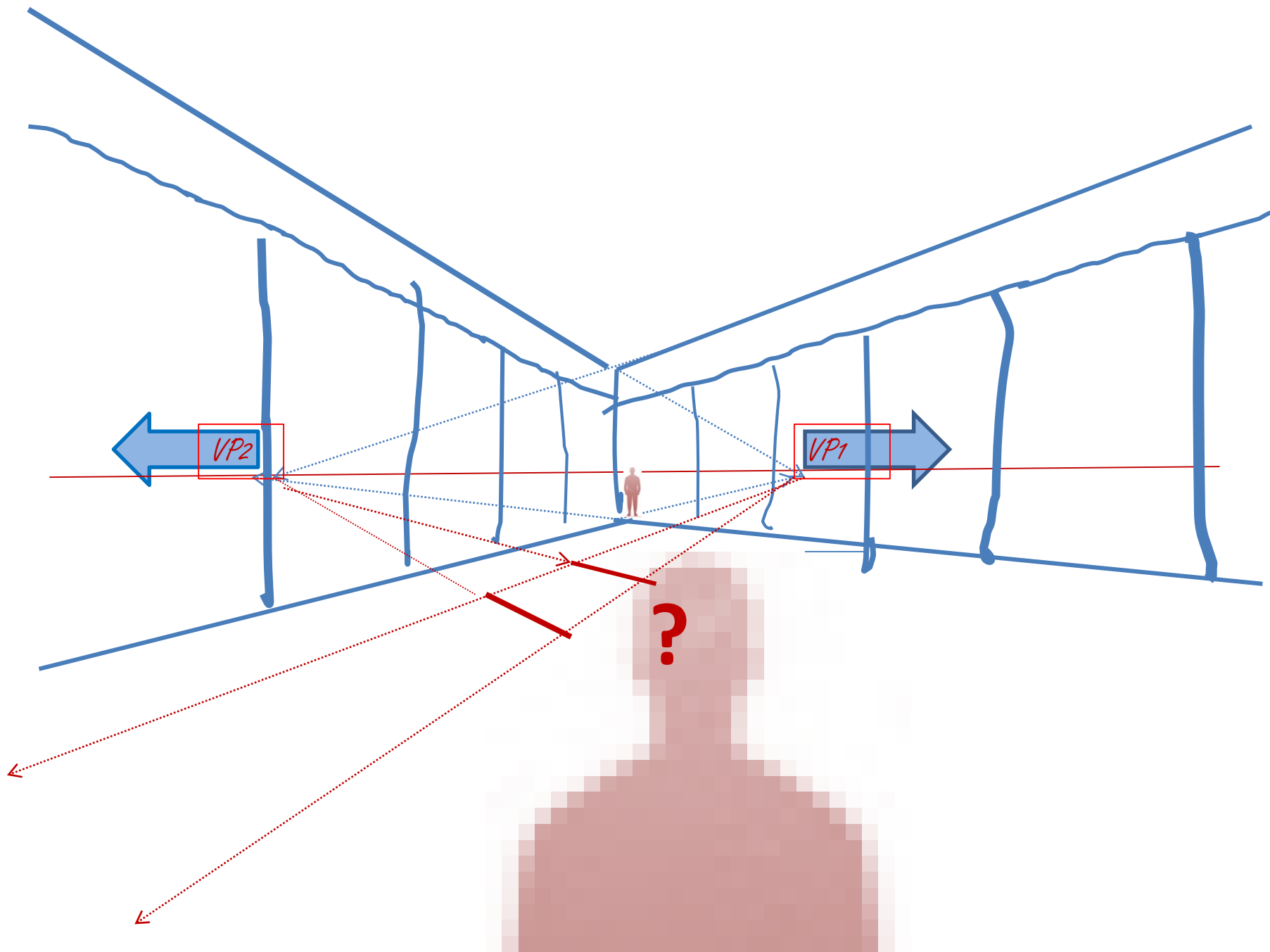




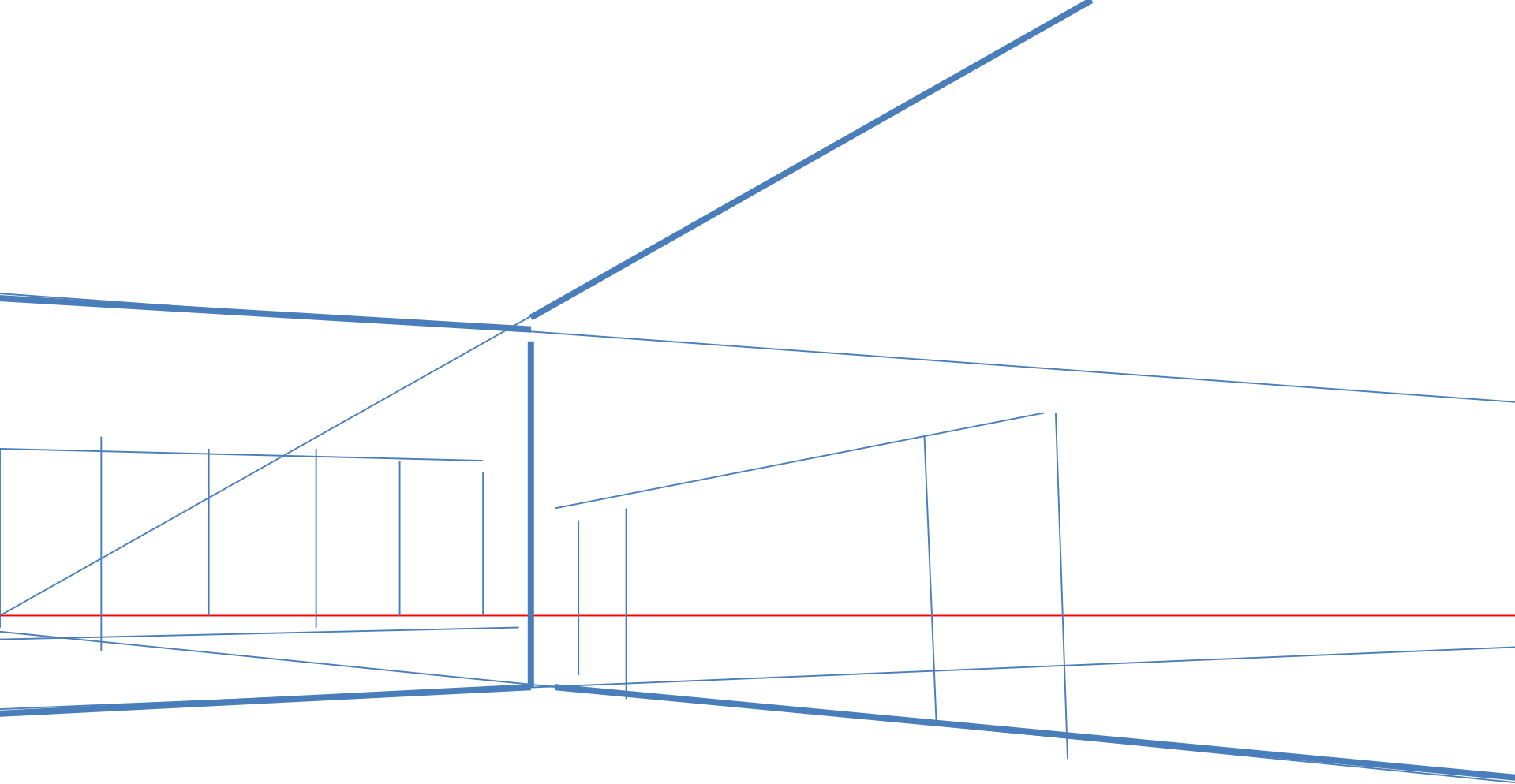










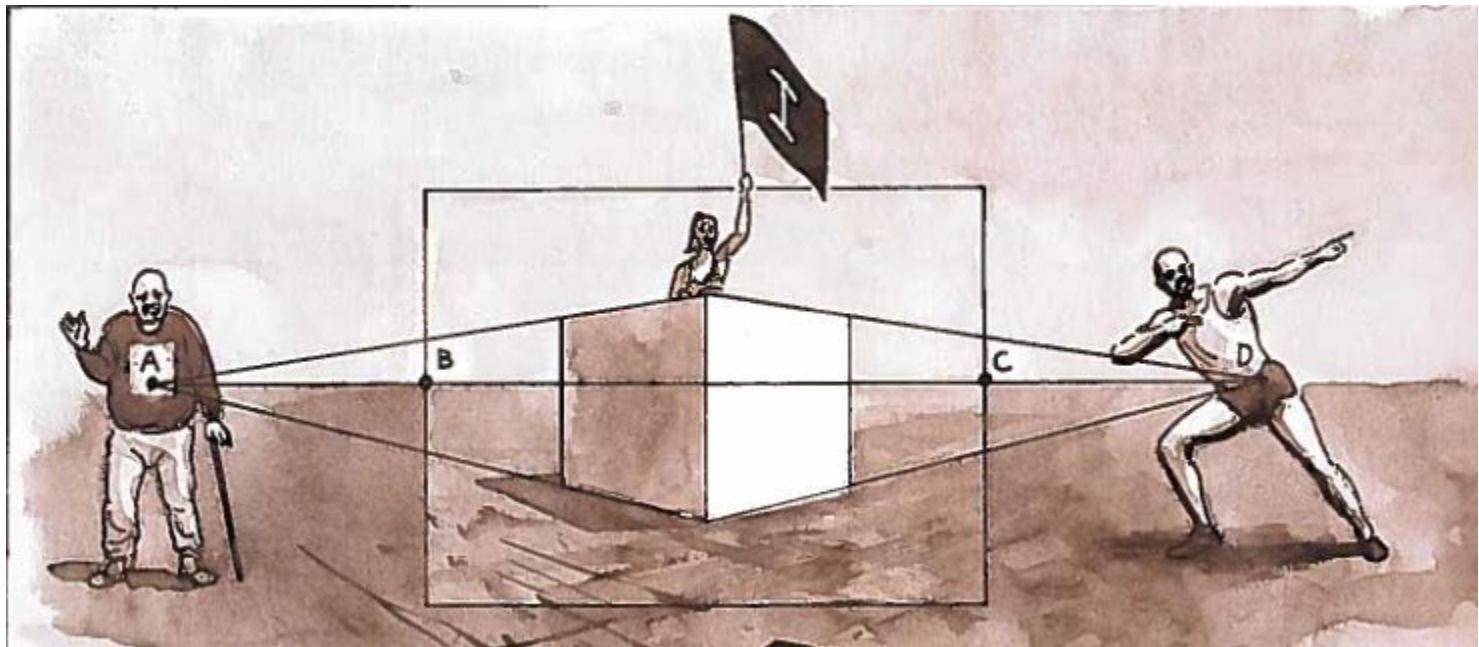




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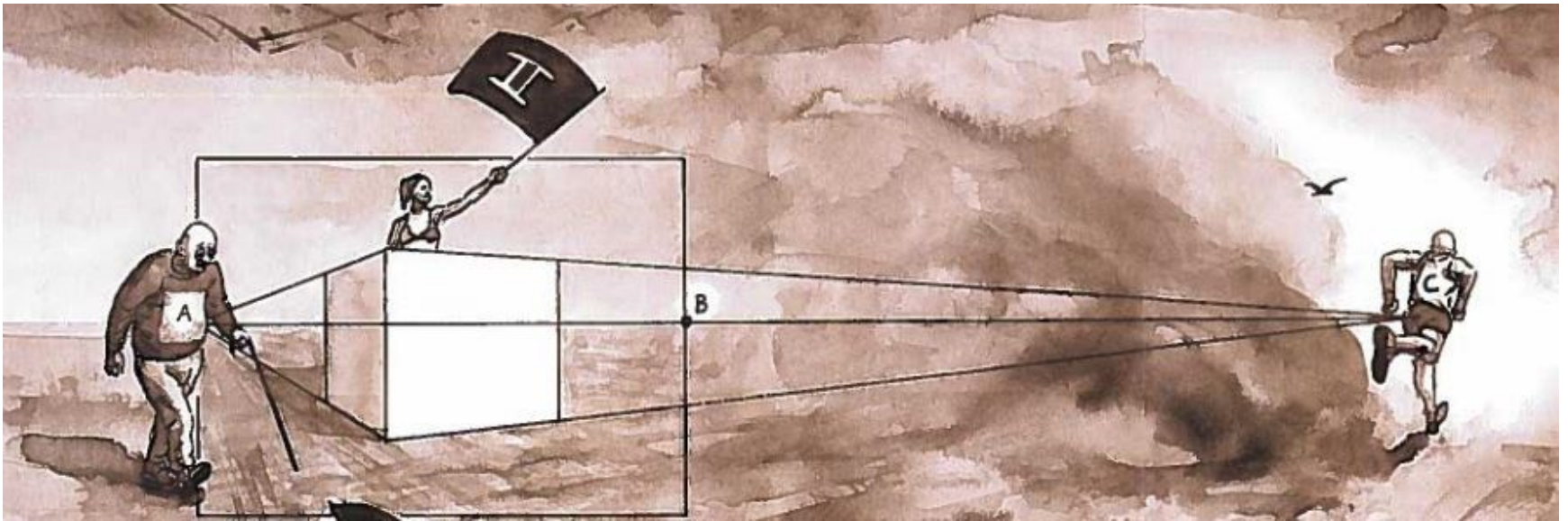
OBSERVADOR

Perspectiva



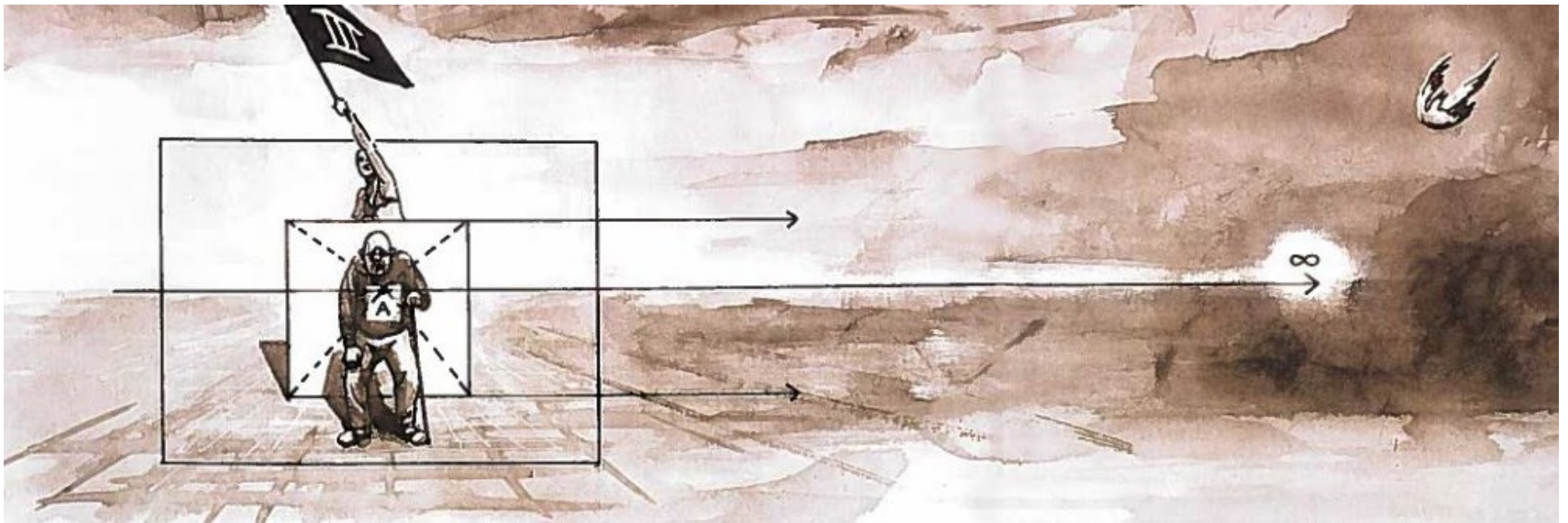
De “Diapásio perspetico”, Marco Mendes

Perspectiva

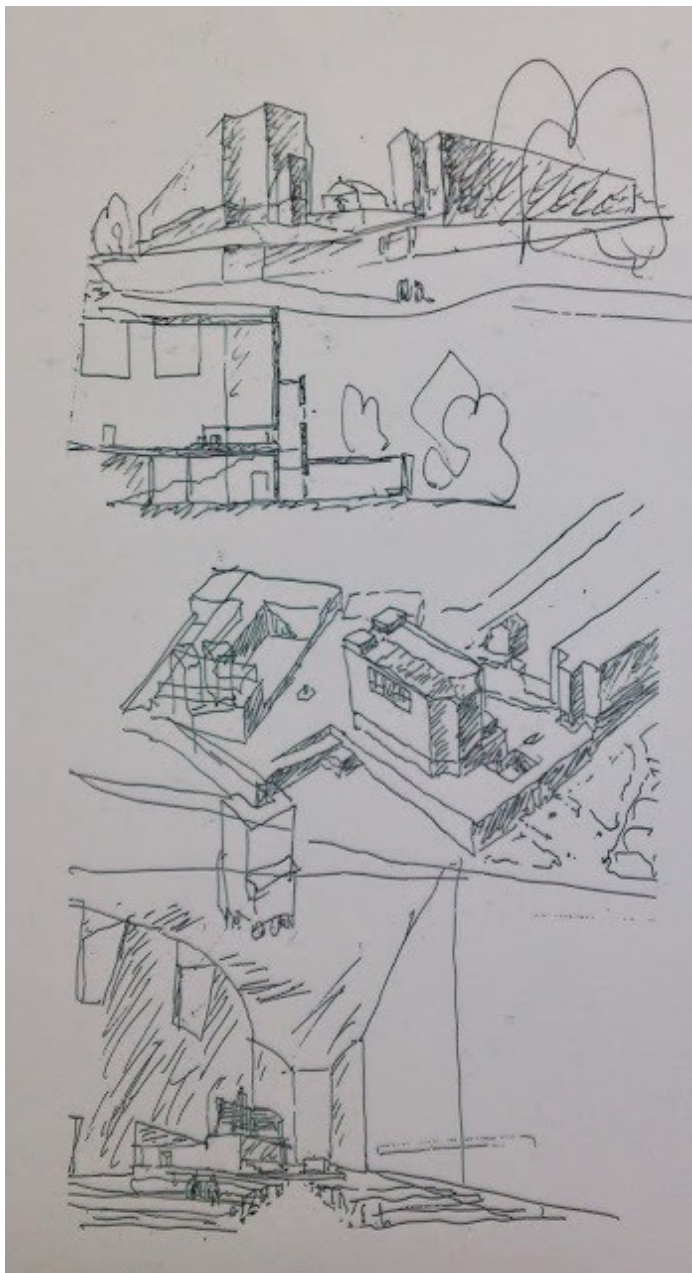


De “Diapásio perspetico”, Marco Mendes

Perspectiva



De “Diapásio perspetico”, Marco Mendes



Obrigada! E bons desenhos...

Créditos fotográficos:
Raquel Pelayo e Luís Ferreira Alves (obras de Souto Moura)