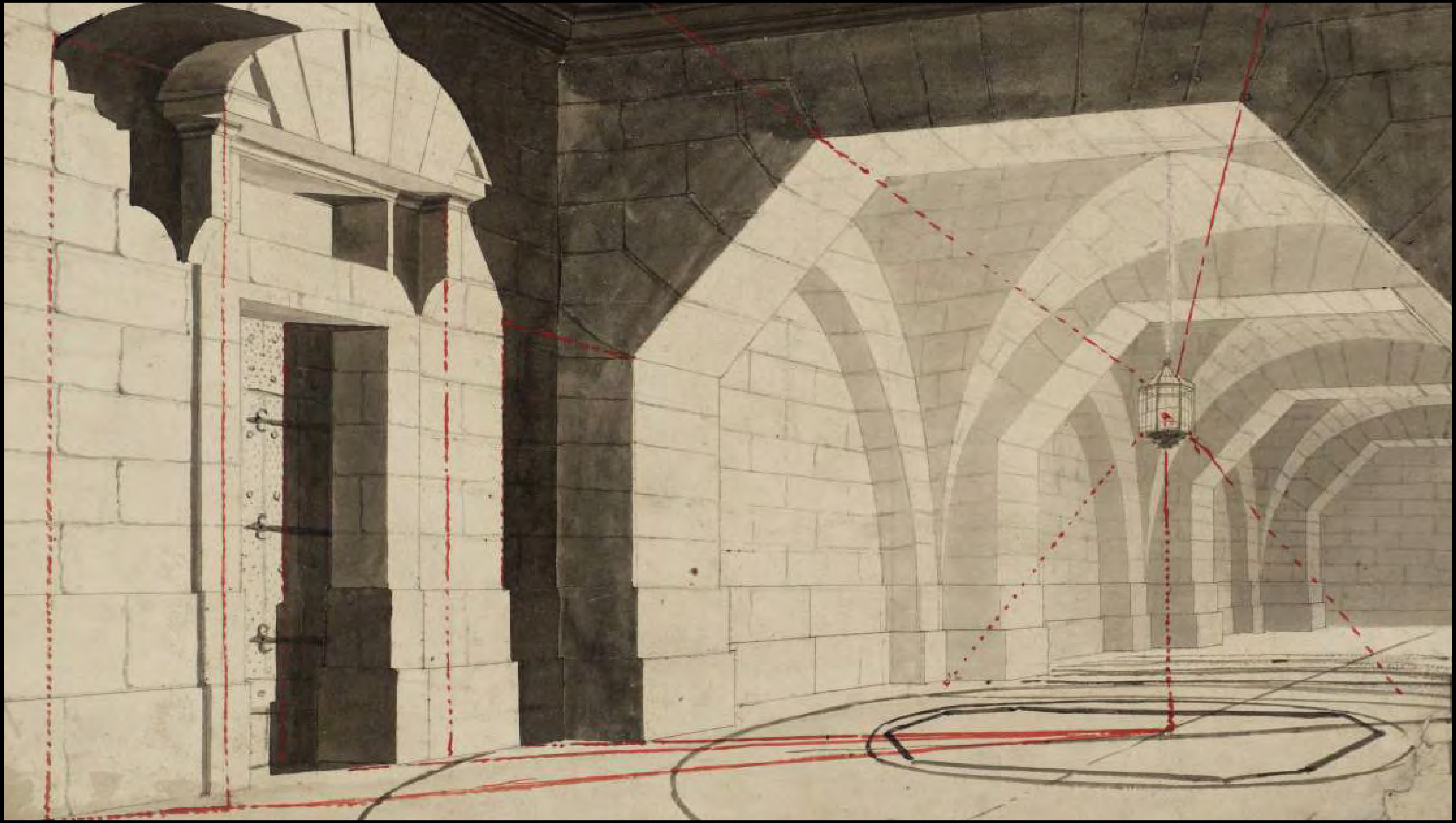


Diagramas e Camadas
Representação e Linguagem em Arquitetura

ARQ1342 Tópicos Especiais em Arquitetura XXVII
Prof. Gabriel Duarte

AULA 01
Imagem Digital / Colagens

Introdução à Disciplina / Estruturas das Imagens / Composição e Proporção
Tutorial A (parte 1 de 2)

Estrutura da Disciplina

PERÍODO LETIVO

Imagem Digital

Vetores / Diagramas

Vetores / Mapas

Editoração

PERÍODO LETIVO

Imagem Digital

Vetores / Diagramas

Resultados
Oficinas 1 e 2

G1

Vetores / Mapas

Editoração

Resultados
Oficinas 3 e 4

G2

Estrutura da Disciplina

PERÍODO LETIVO

Imagem Digital

- Técnicas de Composição
- Equilíbrio de Cores
- Conceito e Direção de Arte
- Camadas e Filtros
- Colagens
- Pós-Produção

Vetores / Diagramas

Vetores / Mapas

Editoração

PERÍODO LETIVO

Imagem Digital

Vetores / Diagramas

Vetores / Mapas

Editoração

- Técnicas de Composição
- Equilílbrio de Cores
- Conceito e Direção de Arte
- Camadas e Filtros
- Colagens
- Pós-Produção

PERÍODO LETIVO

Imagem Digital

Vetores / Diagramas

- Aplicações em Arquitetura
- Origens Teóricas
- Interpretações Contemporâneas
- Conceito

Vetores / Mapas

Editoração

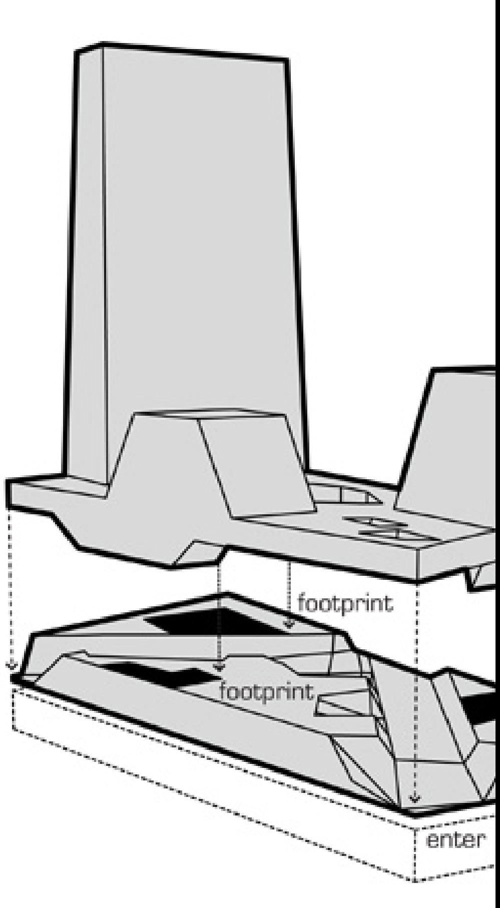
PERÍODO LETIVO

Imagem Digital

Vetores / Diagramas

Vetores / Mapas

Editoração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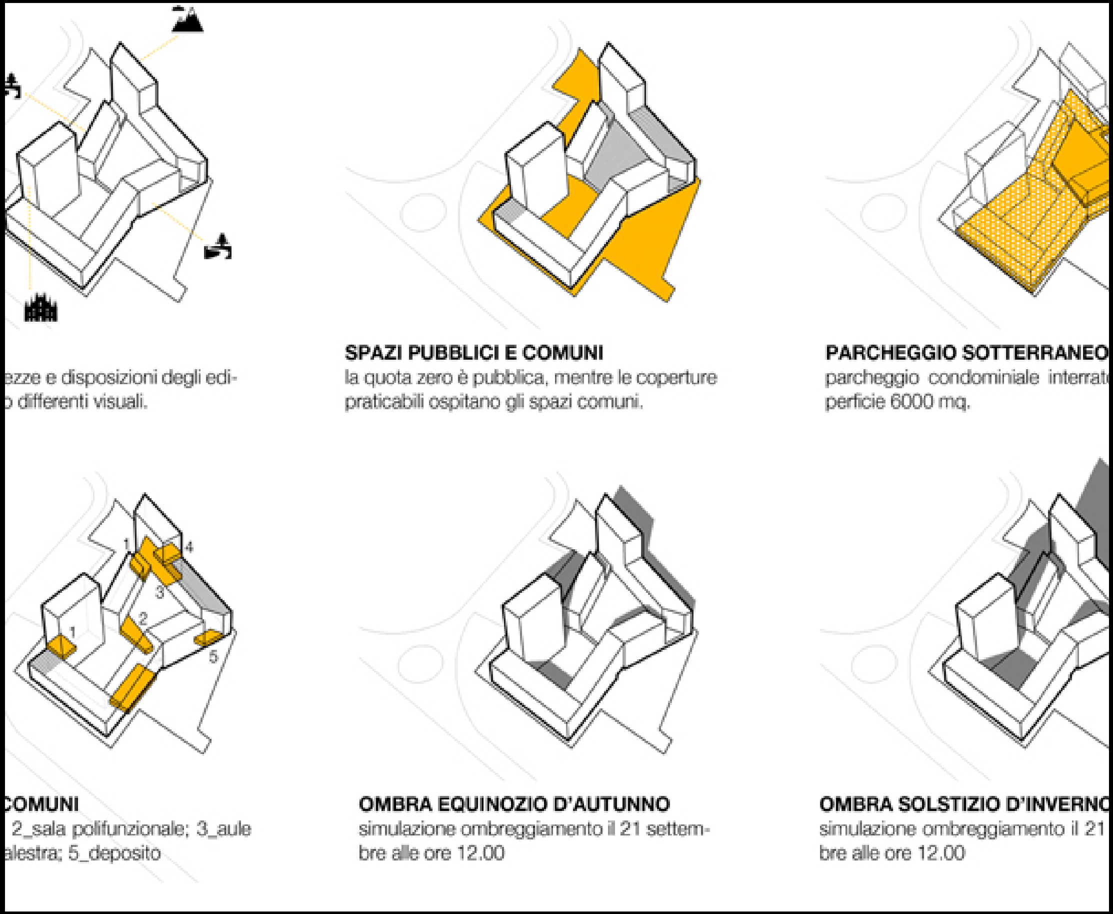
footprint
enter

Aplicações em Arquitetura

Origens Teóricas

Interpretações Contemporâneas

Conceito


ezze e disposizioni degli edi-
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SPAZI PUBBLICI E COMUNI
la quota zero è pubblica, mentre le coperture
praticabili ospitano gli spazi comuni.
PARCHEGGIO SOTTERRANEO
parcheggio condominiale interrat
perficie 6000 mq.
1
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3
4
5
COMUNI
2_sala polifunzionale; 3_aule
alestra; 5_deposito
OMBRA EQUINOZIO D'AUTUNNO
simulazione ombreggiamento il 21 settem-
bre alle ore 12.00
OMBRA SOLSTIZIO D'INVERNO
simulazione ombreggiamento il 21
bre alle ore 12.00

PERÍODO LETIVO

Imagem Digital

Vetores / Diagramas

Vetores / Mapas

- Tipologias de Mapas
- Métodos de Mapeamento

Editoração

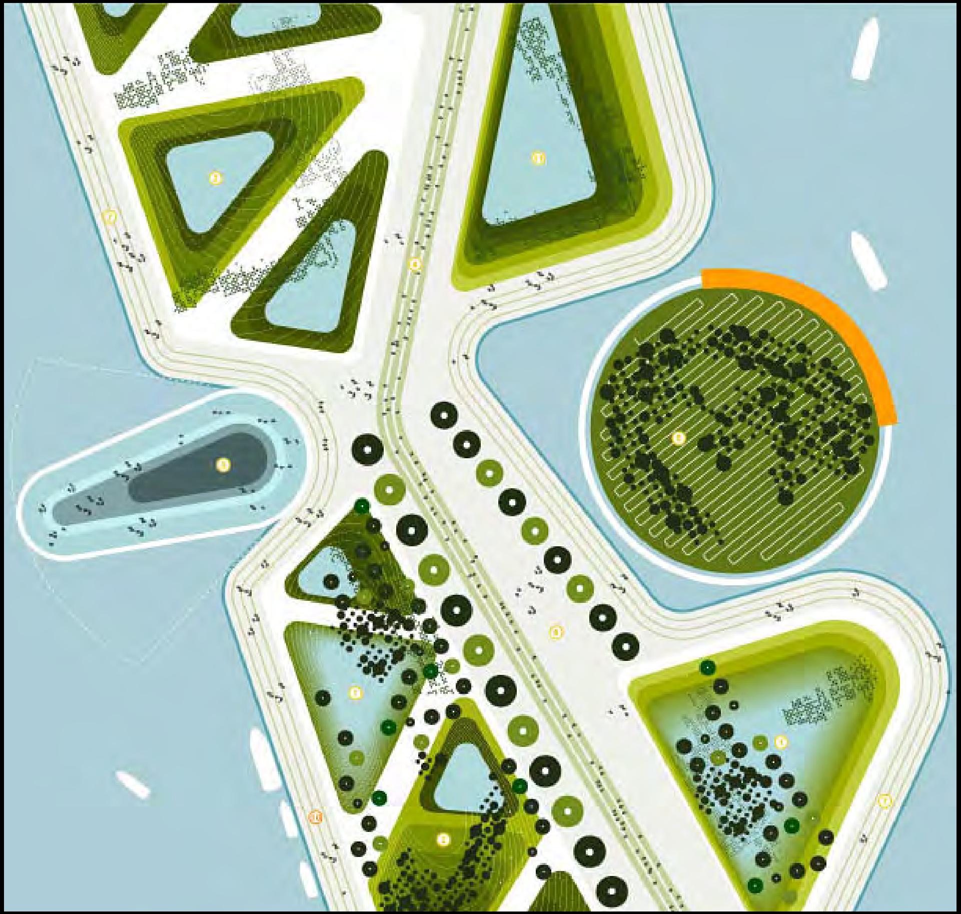
PERÍODO LETIVO

Imagem Digital

Vetores / Diagramas

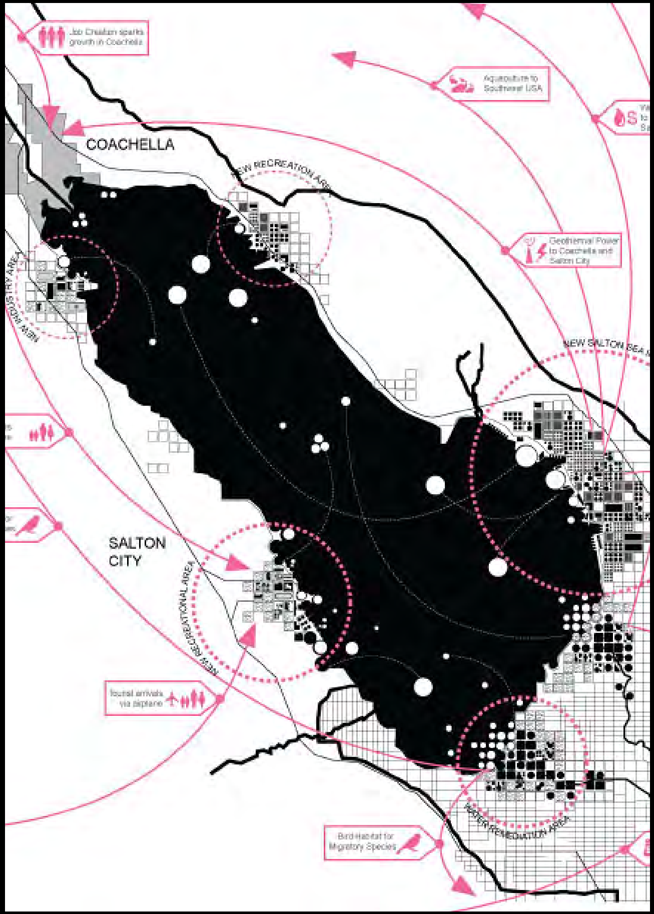
Vetores / Mapas

Editoração



Tipologias de Mapas

Métodos de Mapeamento


Job Creation sparks growth in Coachella
Aquaculture to Southwest USA
COACHELLA
NEW RECREATION AREA
Geothermal Power to Coachella and Salton City
NEW SALTON SEA
SALTON CITY
NEW RECREATIONAL AREA
Tourist arrivals via airplane
Bird Habitat for Migratory Species
WATER REMEDIATION AREA

PERÍODO LETIVO

Imagem Digital

Vetores / Diagramas

Vetores / Mapas

Editoração

Conhecimento

Teoria da Informação

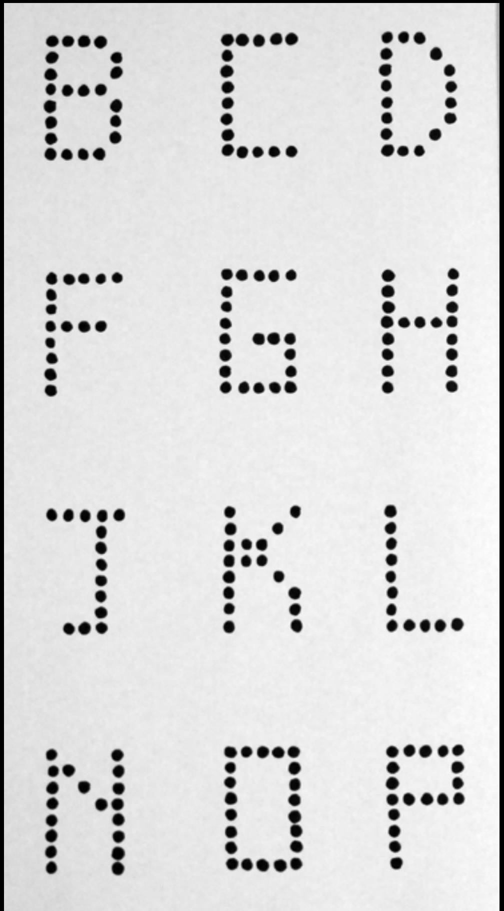
Tipografia

Programação Visual

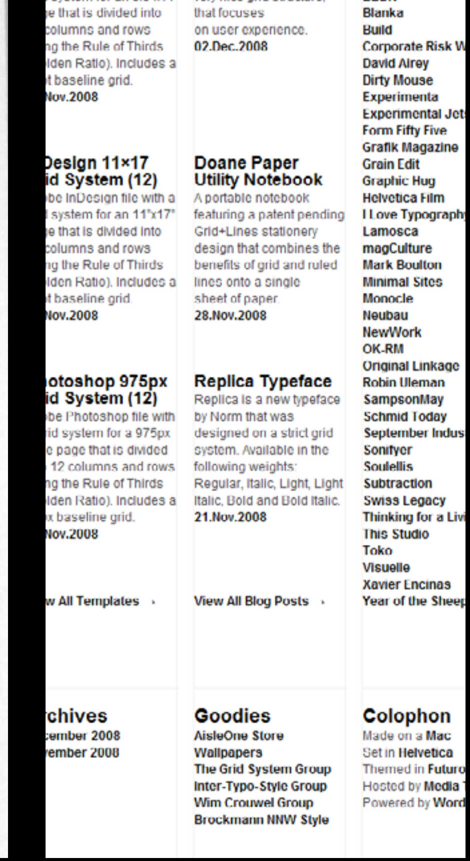
Design da Informação

PERÍODO LETIVO

Imagem Digital



Vetores / Diagramas



id System (12)
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system for an 8.5"x11"
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columns and rows
ng the Rule of Thirds
lden Ratio). Includes a
t baseline grid.
Nov.2008

Design 11×17
id System (12)
be InDesign file with a
system for an 11"x17"
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columns and rows
ng the Rule of Thirds
lden Ratio). Includes a
t baseline grid.
Nov.2008

otoshop 975px
id System (12)
be Photoshop file with
id system for a 975px
e page that is divided
12 columns and rows
ng the Rule of Thirds
lden Ratio). Includes a
x baseline grid.
Nov.2008

w All Templates ›

A well designed
collaborative site, with a
very nice grid structure,
that focuses
on user experience.
02.Dec.2008

Doane Paper
Utility Notebook
A portable notebook
featuring a patent pending
Grid+Lines stationery
design that combines the
benefits of grid and ruled
lines onto a single
sheet of paper.
28.Nov.2008

Replica Typeface
Replica is a new typeface
by Norm that was
designed on a strict grid
system. Available in the
following weights:
Regular, Italic, Light, Light
Italic, Bold and Bold Italic.
21.Nov.2008

View All Blog Posts ›

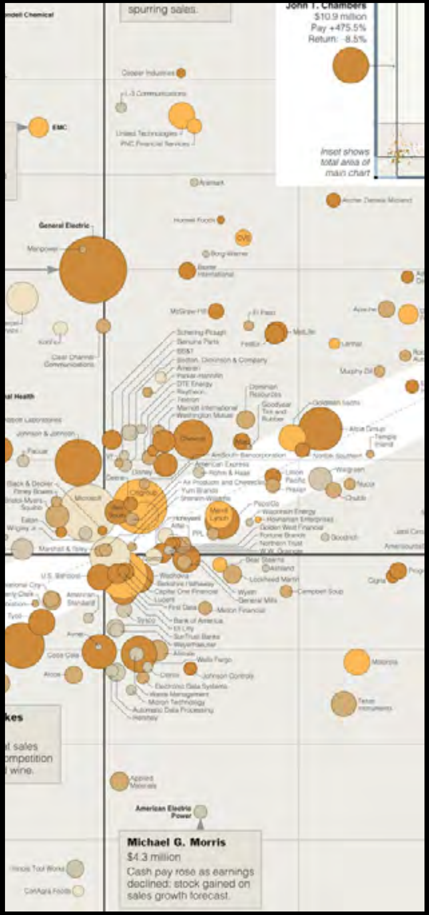
AisleOne
Athletics
BBDK
Blanka
Build
Corporate Risk W
David Airey
Dirty Mouse
Experimenta
Experimental Jet
Form Fifty Five
Grafik Magazine
Grain Edit
Graphic Hug
Helvetica Film
I Love Typograph
Lamosca
magCulture
Mark Boulton
Minimal Sites
Monocle
Neubau
NewWork
OK-RM
Original Linkage
Robin Uleman
SampsonMay
Schmid Today
September Indus
Sonifyer
Soulellis
Subtraction
Swiss Legacy
Thinking for a Livi
This Studio
Toko
Visuelle
Xavier Encinas
Year of the Sheep

chives
cember 2008
vember 2008

Goodies
AisleOne Store
Wallpapers
The Grid System Group
Inter-Typo-Style Group
Wim Crouwel Group
Brockmann NNW Style

Colophon
Made on a **Mac**
Set in **Helvetica**
Themed in **Futuro**
Hosted by **Media**
Powered by **Word**

Vetores / Mapas

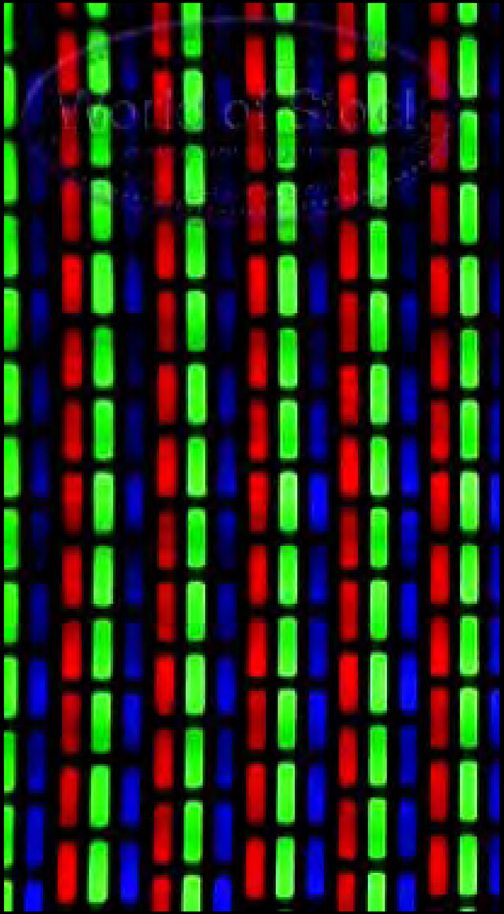


Editoração

- Conhecimento
- Teoria da Informação
- Tipografia
- Programação Visual
- Design da Informação

PERÍODO LETIVO

Imagem Digital



Vetores / Diagramas

Vetores / Mapas

Editoração

Conhecimento

Teoria da Informação

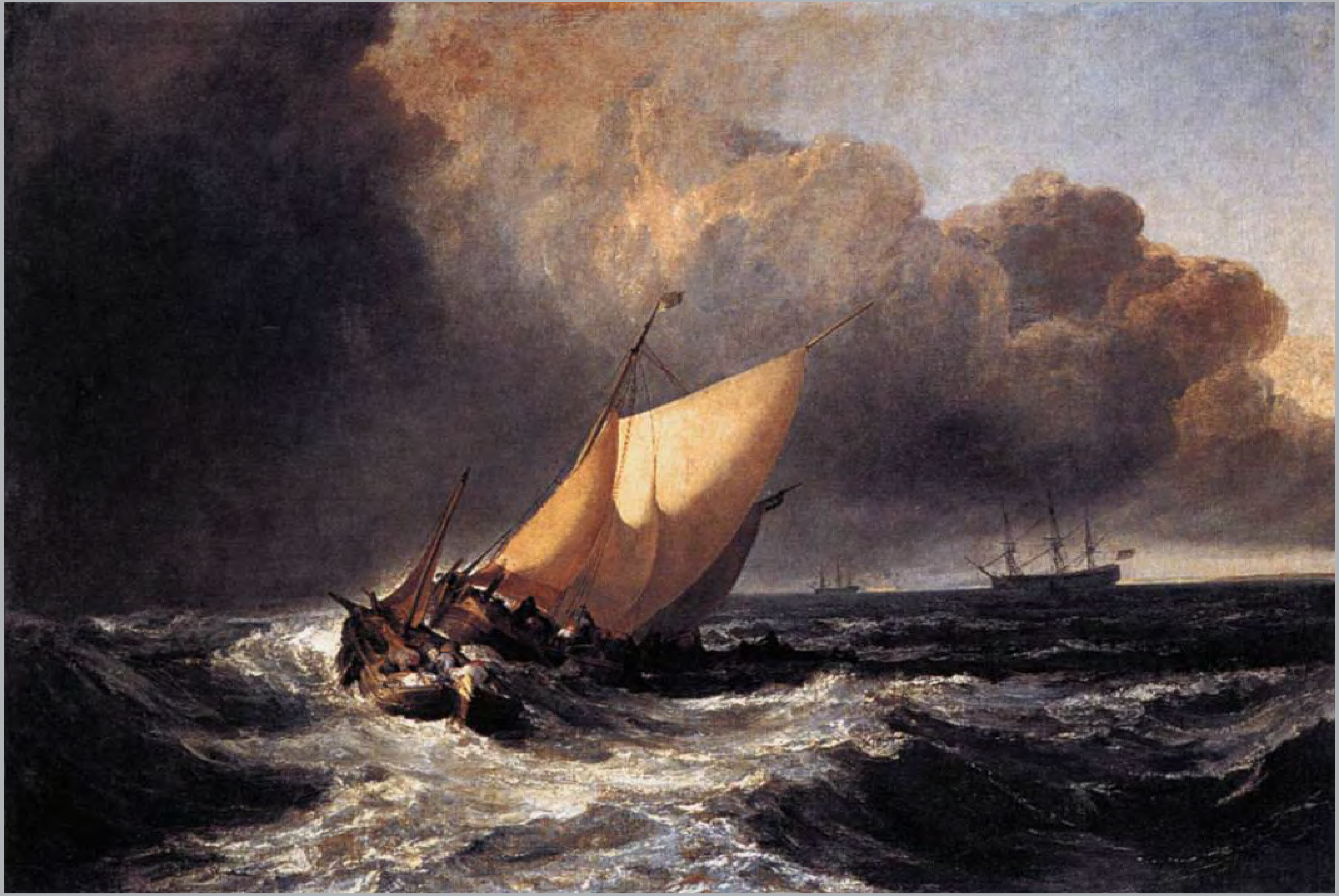
Tipografia

Programação Visual

Design da Informação

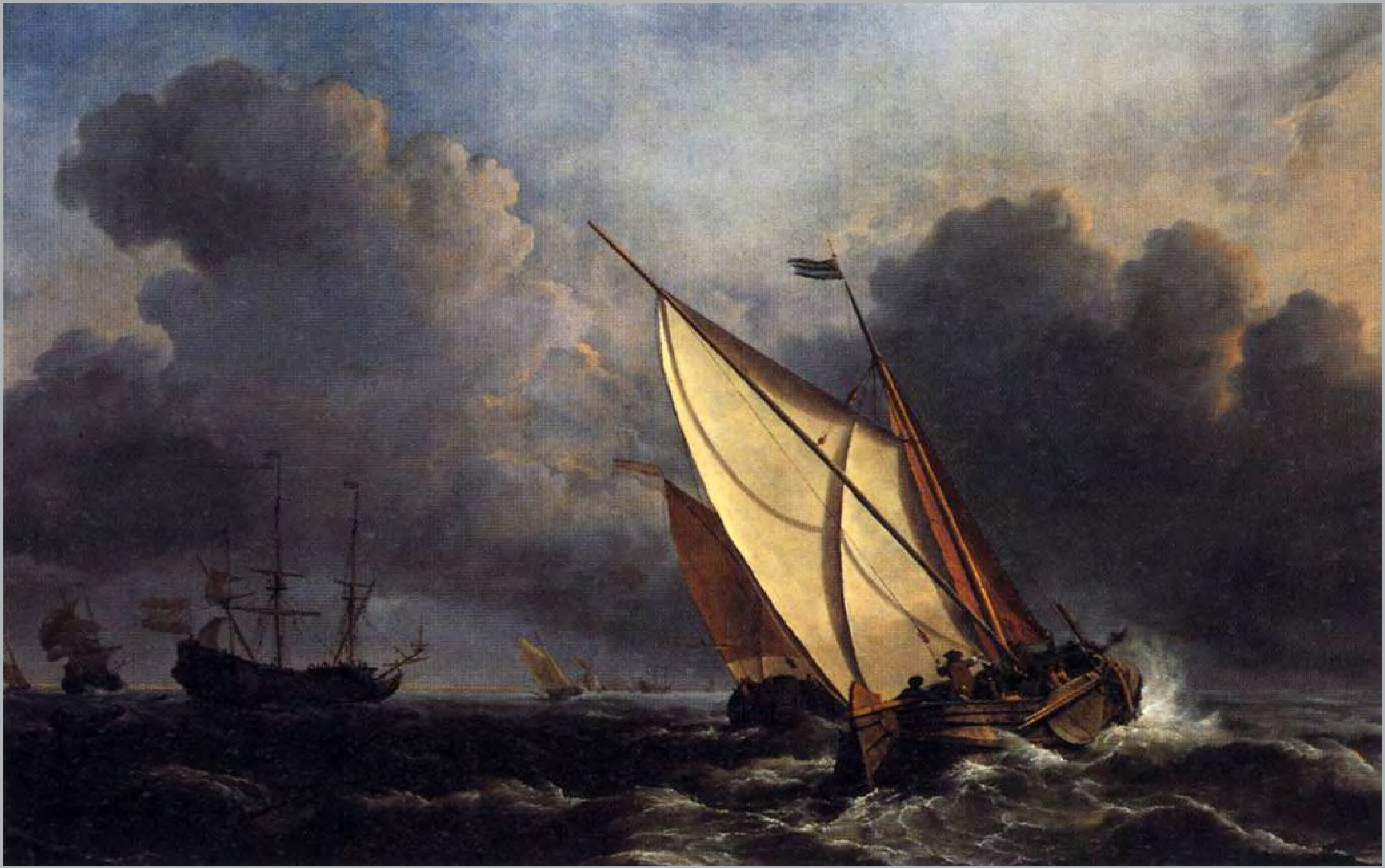
Joseph Turner
Inglaterra (1775-1851)

Dutch Boats in a Gale, 1801



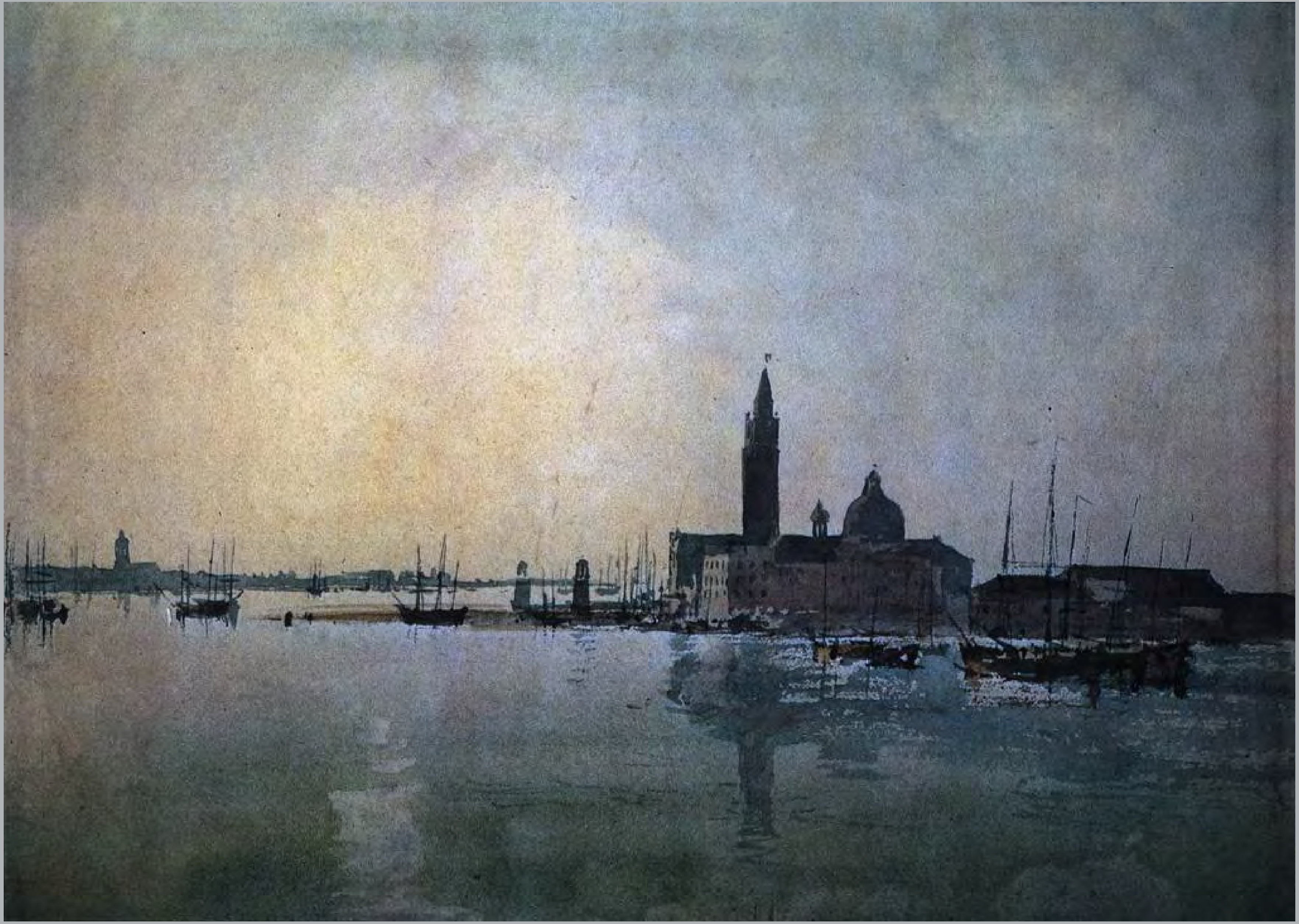
Joseph Turner
Inglaterra (1775-1851)

Dutch Fishing Boats in a Storm, 1801



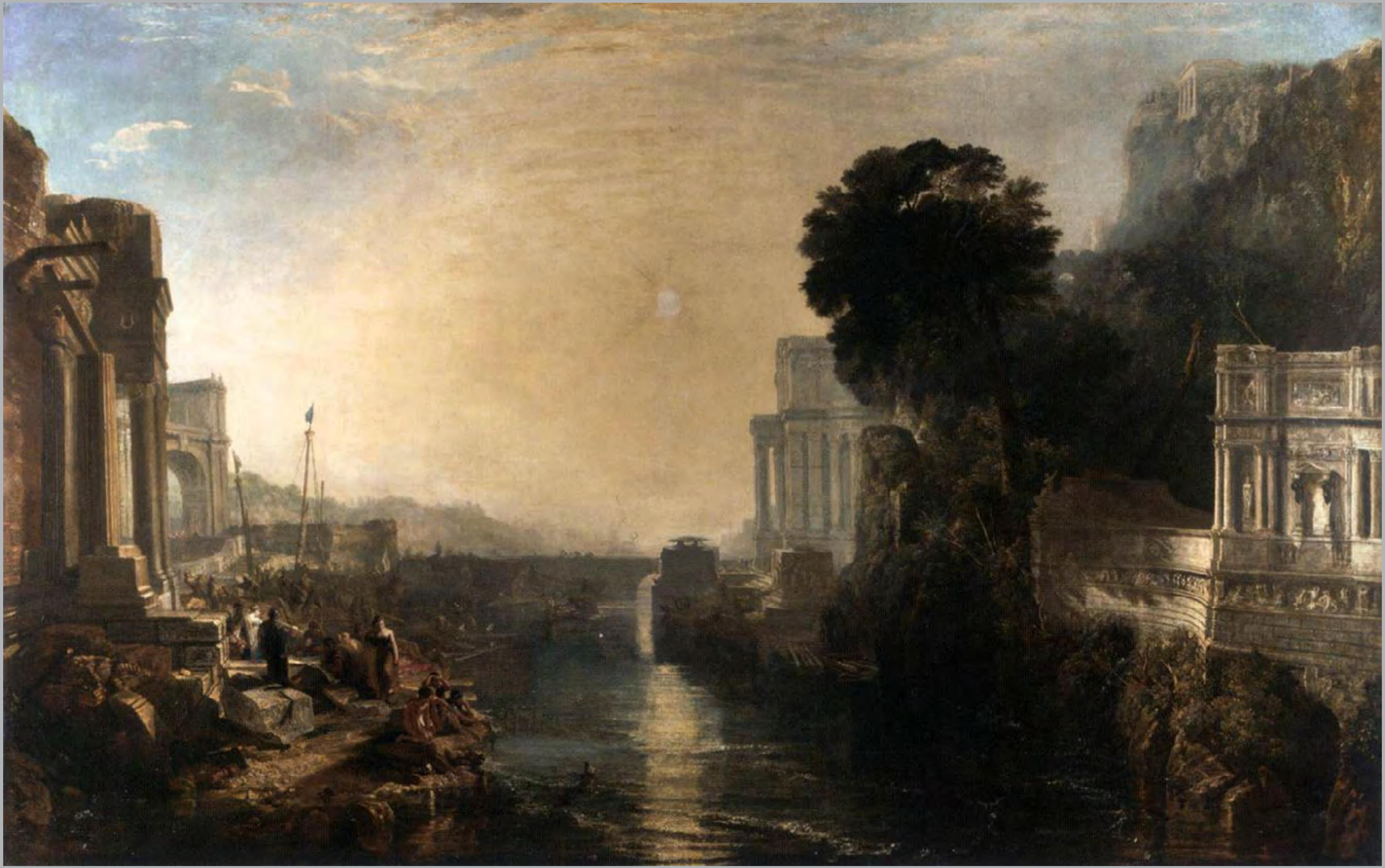
Joseph Turner
Inglaterra (1775-1851)

San Giorgio Maggiore at Dawn, 1819



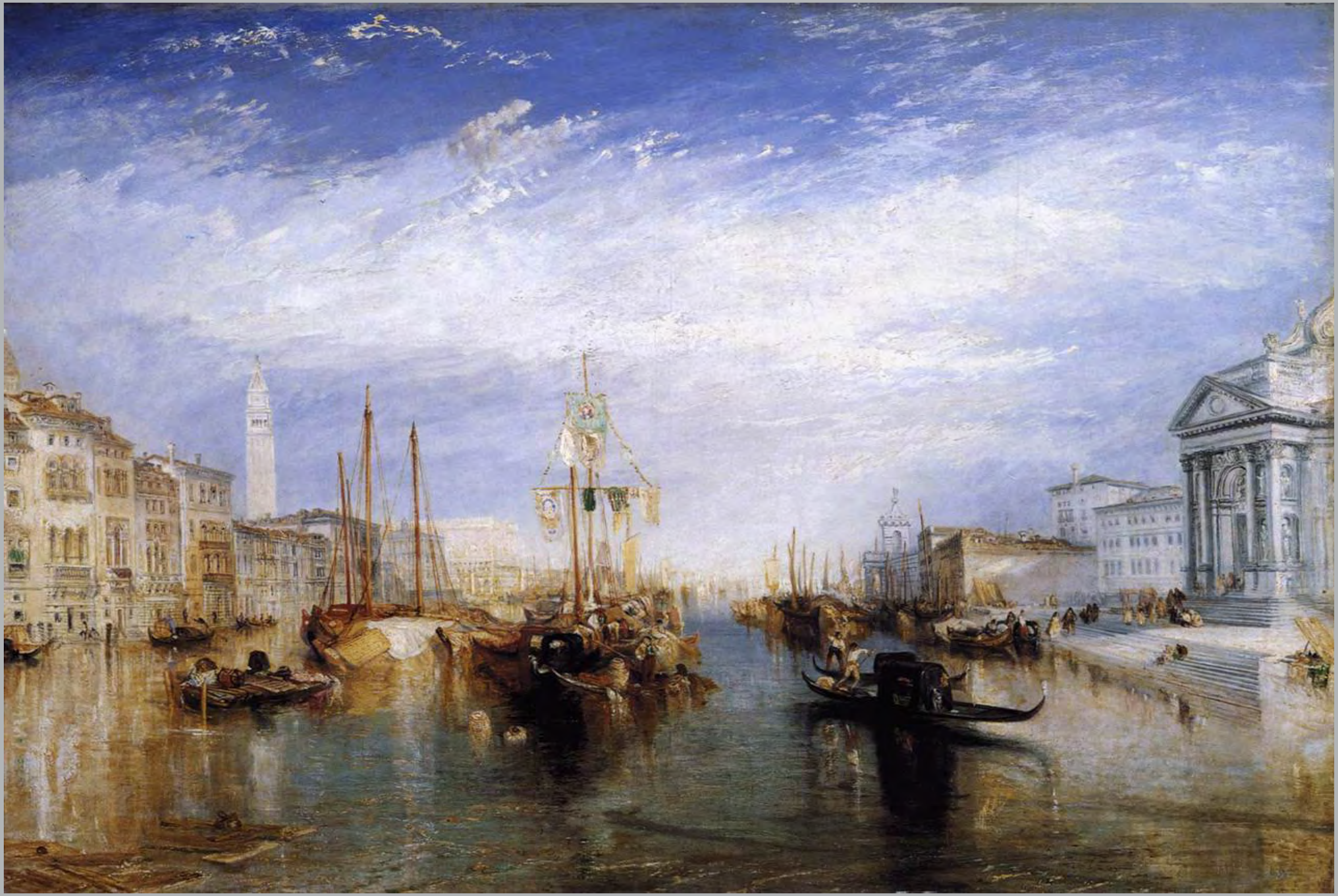
Joseph Turner
Inglaterra (1775-1851)

Dido Building Carthage or the Rise of the Carthaginian Empire, 1815

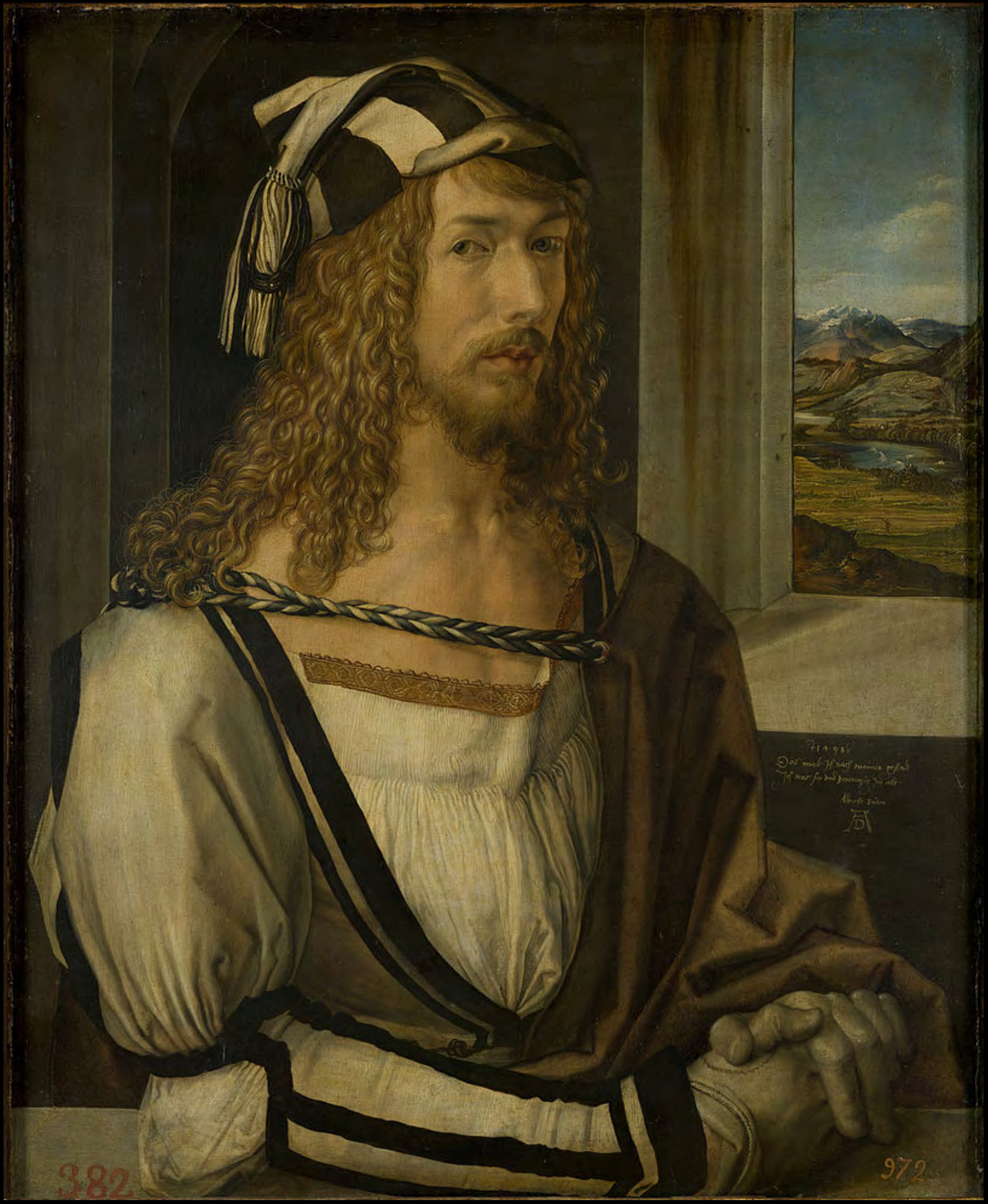


Joseph Turner
Inglaterra (1775-1851)

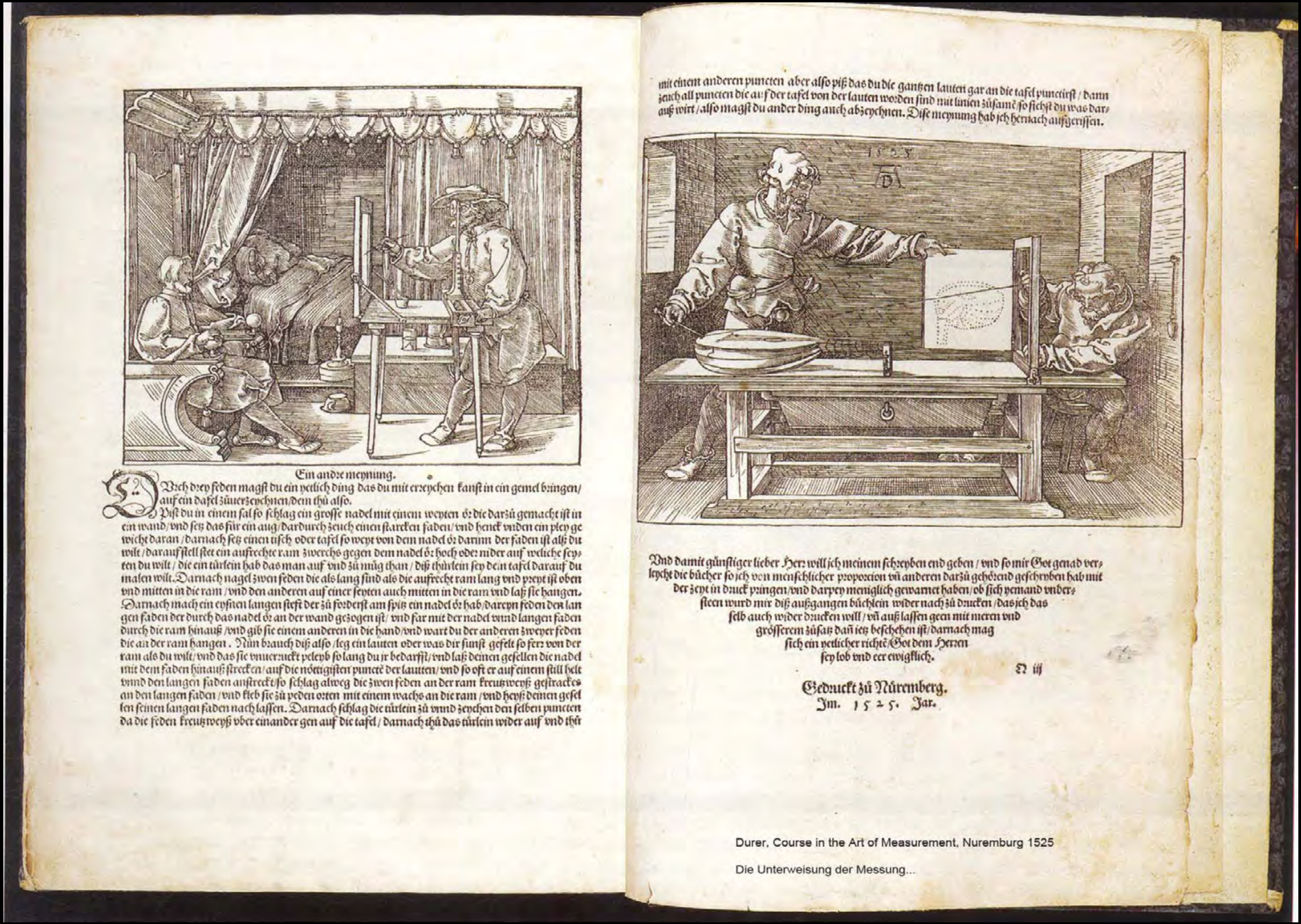
The Grand Canal, Venice, 1835



Joseph Turner
Inglaterra (1775-1851)


1498
382
972

Albrecht Dürer
Alemanha (1471-1528)



Ein andre meynung.

Durch drey feden magſt du ein yetlich ding das du mit erreychen kanſt in ein gemel bringen/ auf ein dafel zůuerzeychnen/dem thů alſo.

Biſt du in einem ſal ſo ſchlag ein groſſe nadel mit einem weyten ör die darzů gemacht iſt in ein wand/vnd ſetz das für ein aug/dardurch zeuch einen ſtarcken faden/vnd henck vnden ein pley gewicht daran /darnach ſetz einen tiſch oder tafel ſo weyt von dem nadel ör darinn der faden iſt alß du wilt/darauf ſtell ſtet ein aufrechte ram zwerchs gegen dem nadel ör hoch oder nider auf weliche ſeyten du wilt/ die ein türlein hab das man auf vnd zů můg than/ diß thürlein ſey dein tafel darauf du malen wilt.Darnach nagel zwen feden die als lang ſind als die aufrecht ram lang vnd preyt iſt oben vnd mitten in die ram /vnd den anderen auf einer ſeyten auch mitten in die ram vnd laß ſie hangen. Darnach mach ein eyſnen langen ſteft der zů forderſt am ſpitz ein nadel ör hab/dareyn feden den langen faden der durch das nadel ör an der wand gezogen iſt/ vnd far mit der nadel vnnd langen faden durch die ram hinauß /vnd gib ſie einem anderen in die hand/vnd wart du der anderen zweyer feden die an der ram hangen. Nun brauch diß alſo /leg ein lauten oder was dir ſunſt gefelt ſo ferr von der ram als du wilt/vnd das ſie vnuerruckt peleyb ſo lang du jr bedarffſt/vnd laß deinen geſellen die nadel mit dem faden hinauß ſtrecken/auf die nöttigiſten punctē der lautten/vnd ſo oft er auf einem ſtill helt vnnd den langen faden anſtreckt/ſo ſchlag alweg die zwen feden an der ram kreutzweyß geſtrackes an den langen faden /vnd kleb ſie zů yeden orten mit einem wachs an die ram /vnd heyß deinen geſellen ſeinen langen faden nach laſſen. Darnach ſchlag die türlein zů vnnd zeychen den ſelben puncten da die feden kreutzweyß vber einander gen auf die tafel / darnach thů das türlein wider auf vnd thů mit einem anderen puncten aber alſo piß das du die gantzen lauten gar an die tafel punctirſt / dann zeuch all puncten die auf der tafel von der lauten worden ſind mit linien zůſamē/ſo ſichſt du was darauß wirt /alſo magſt du ander ding auch abzeychnen. Diſe meynung hab ich hernach aufgeriſſen.

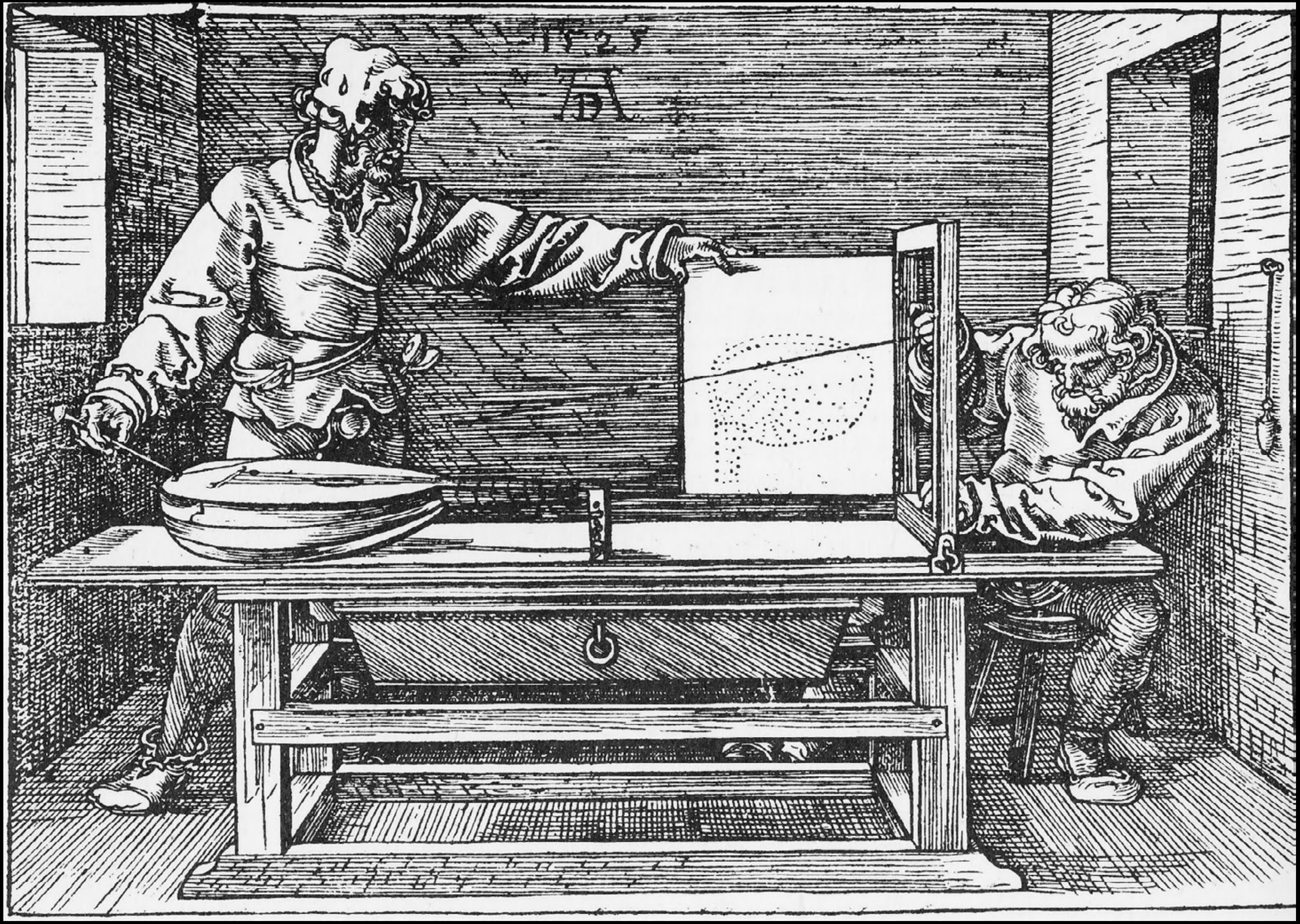
Vnd damit günſtiger lieber Herr will jch meinem ſchreyben end geben / vnd ſo mir Got genad verleycht die bůcher ſo jch von menſchlicher proporcion vnͣ anderen darzů gehörend geſchryben hab mit der zeyt in druck pringen/vnd darpey meniglich gewarnet haben/ob ſich yemand vnderſteen wurd mir diß außgangen bůchlein wider nach zů drucken /das jch das ſelb auch wider drucken will / vnͣ auß laſſen geen mit meren vnd gröſſerem zůſatz dañ ietz beſchehen iſt/darnach mag ſich ein yetlicher richtē/Got dem Herren ſey lob vnd eer ewigklich.

Gedruckt zů Nüremberg.
Im. 1525. Jar.

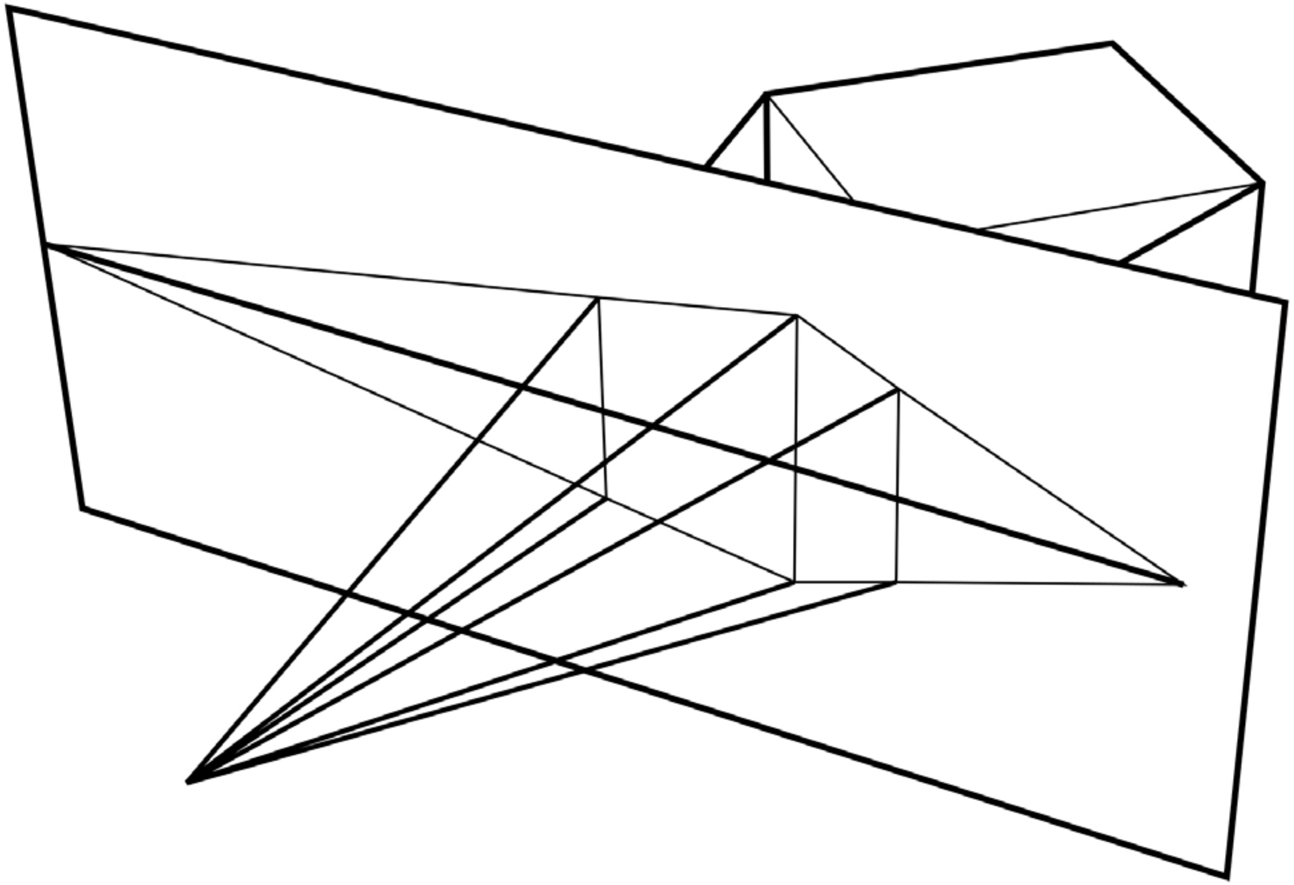
Durer, Course in the Art of Measurement, Nuremburg 1525

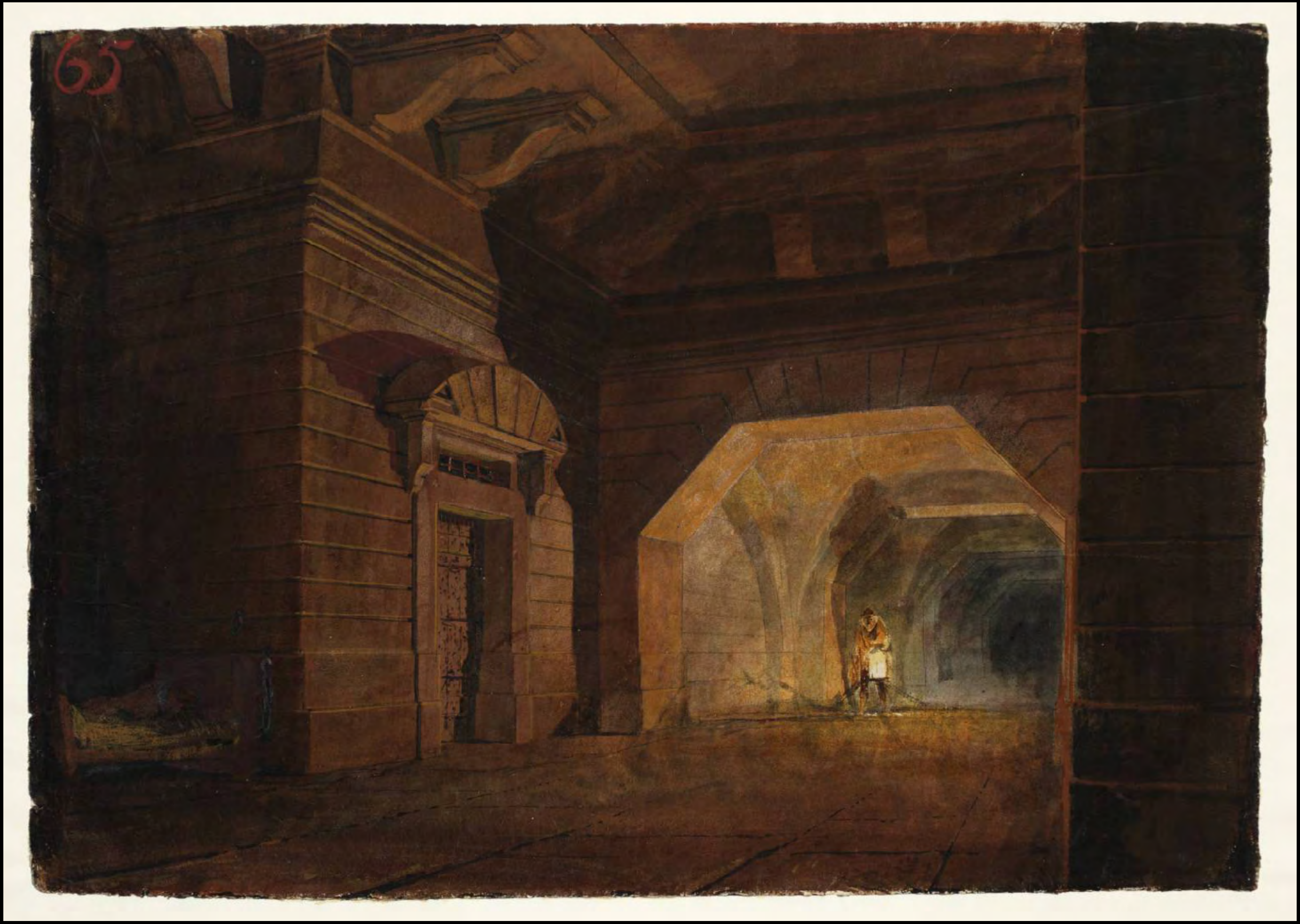
Die Unterweisung der Messung...

Albrecht Dürer
Four Books on Measurement

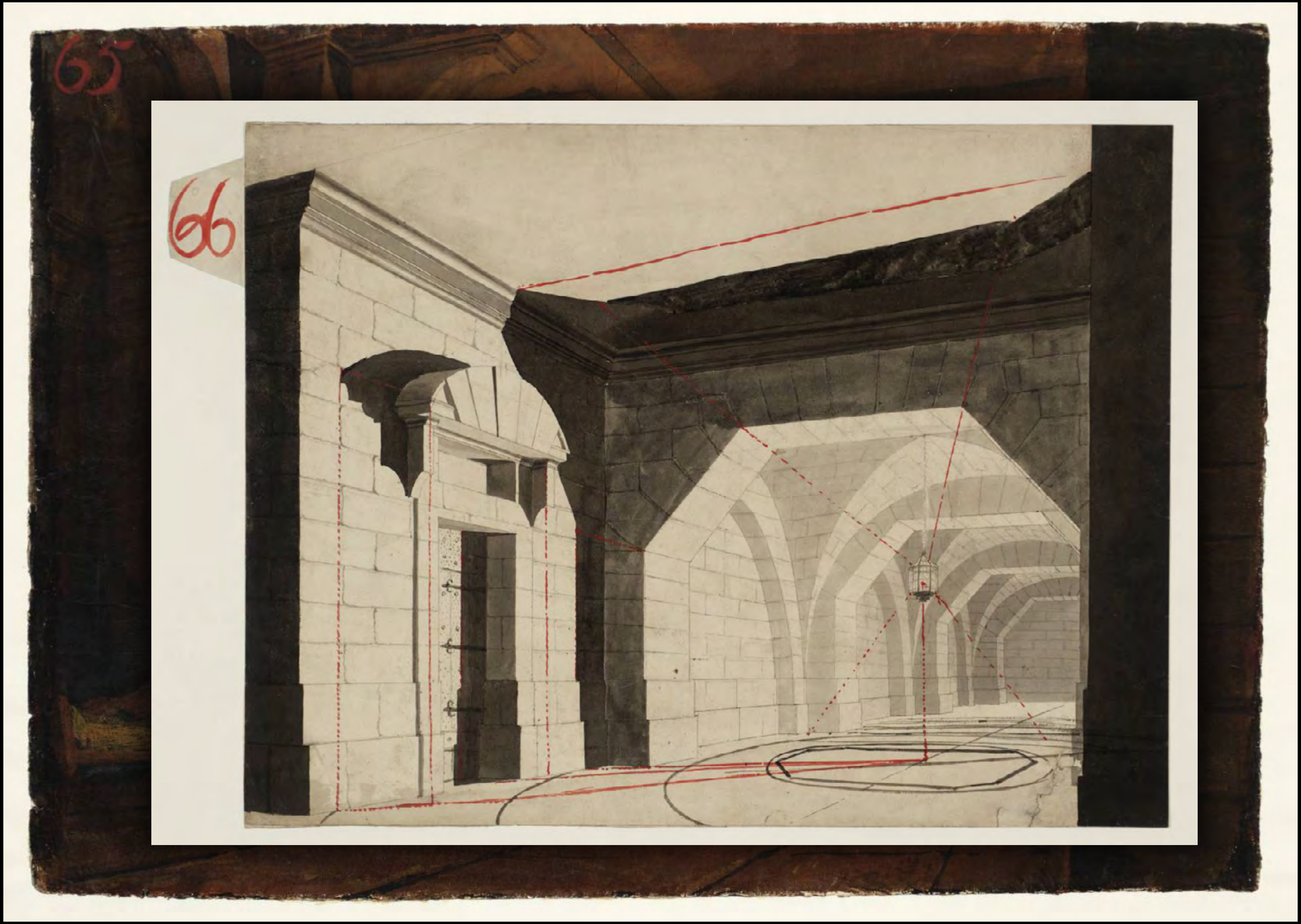


Albrecht Dürer





Joseph Turner
Inglaterra (1775-1851)



Joseph Turner
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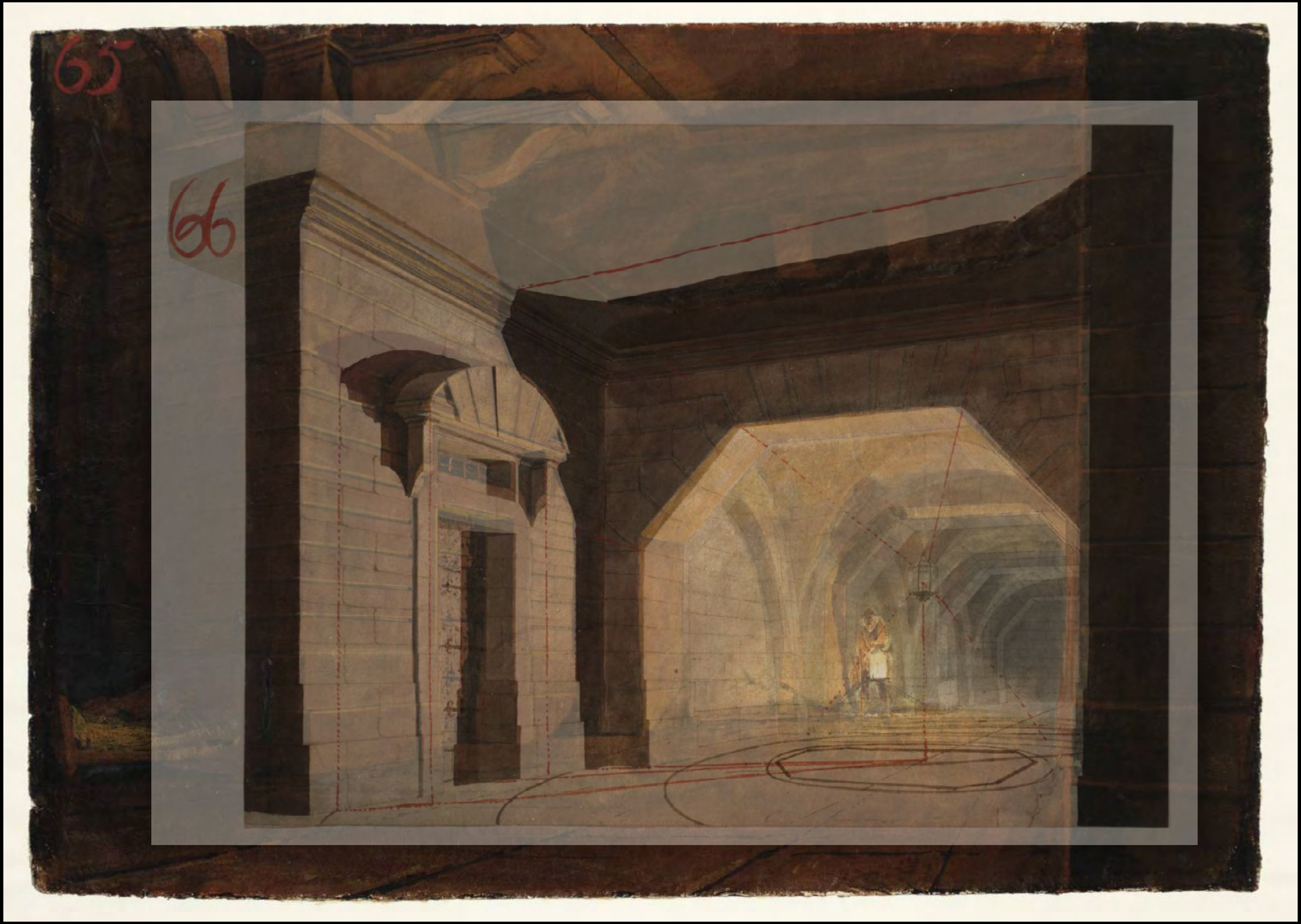
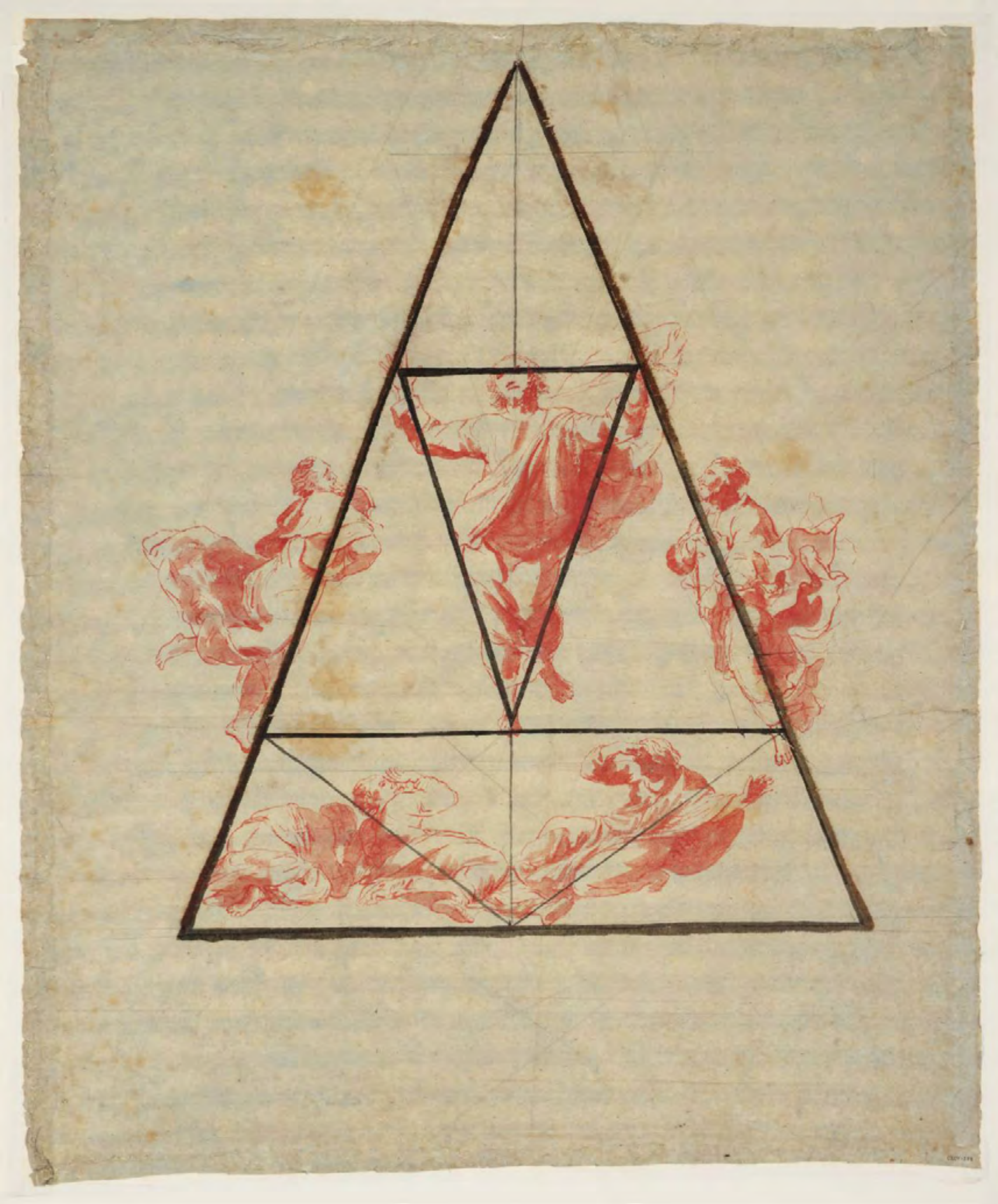
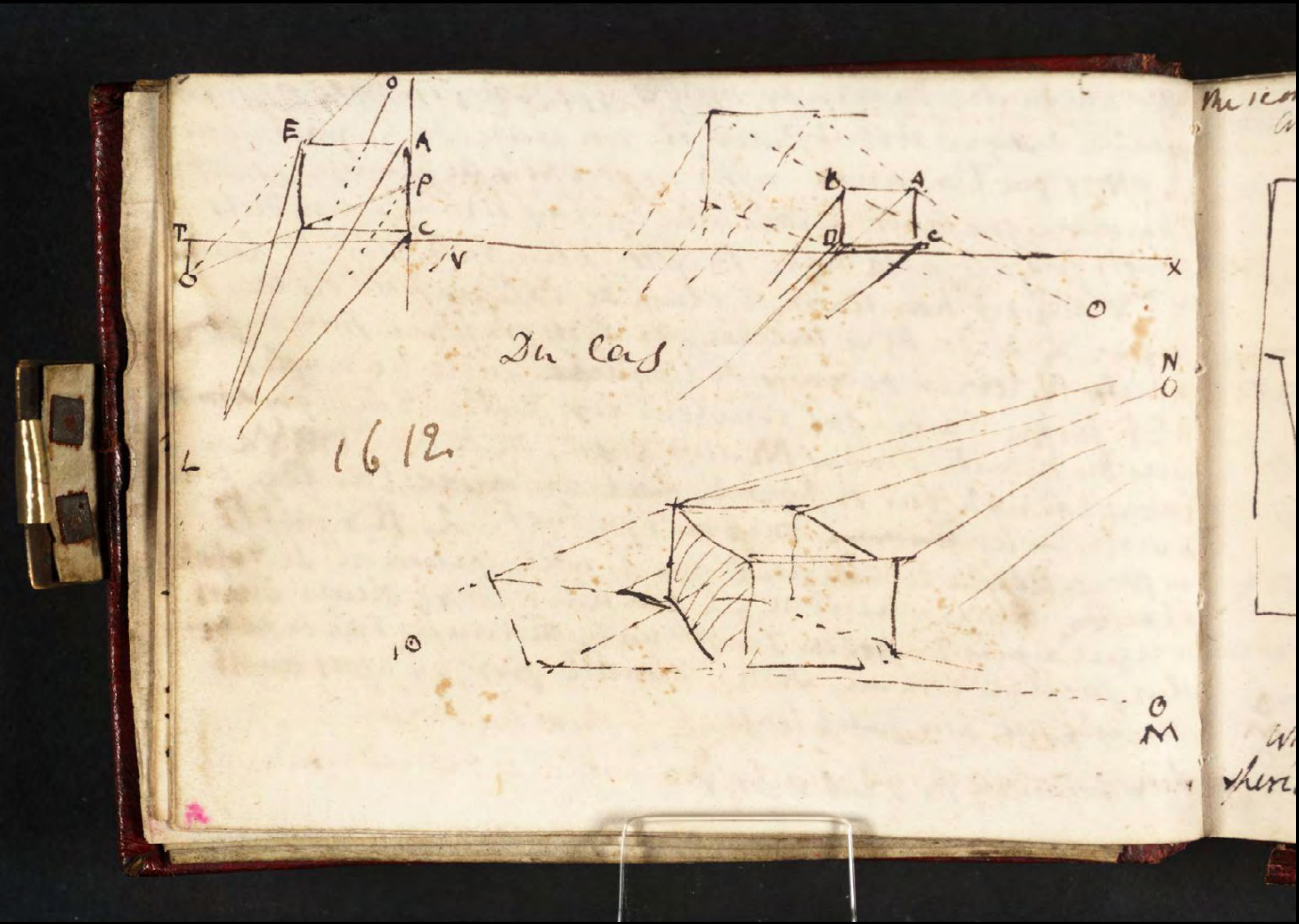


Joseph Turner
Inglaterra (1775-1851)



Joseph Turner
Inglaterra (1775-1851)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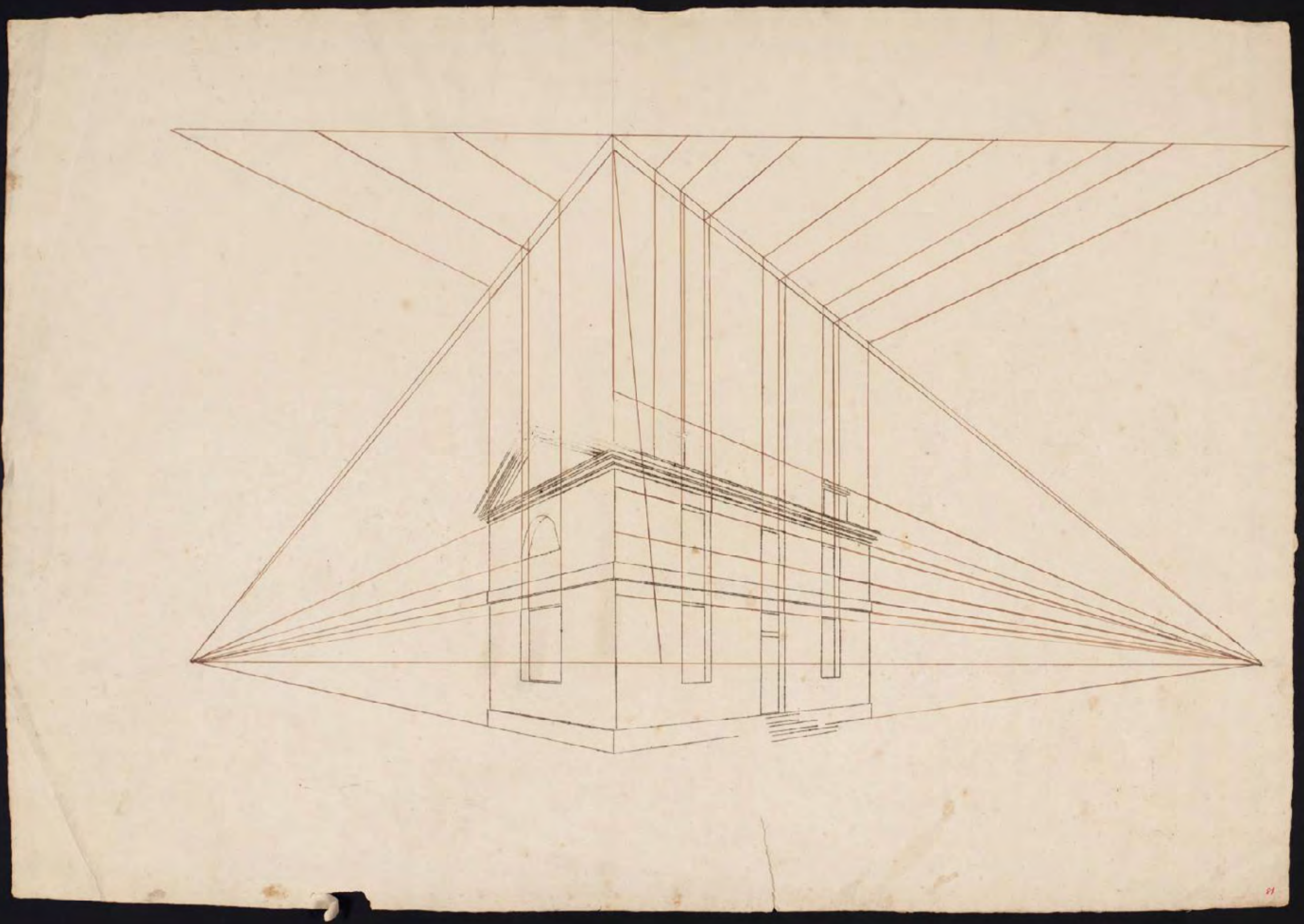
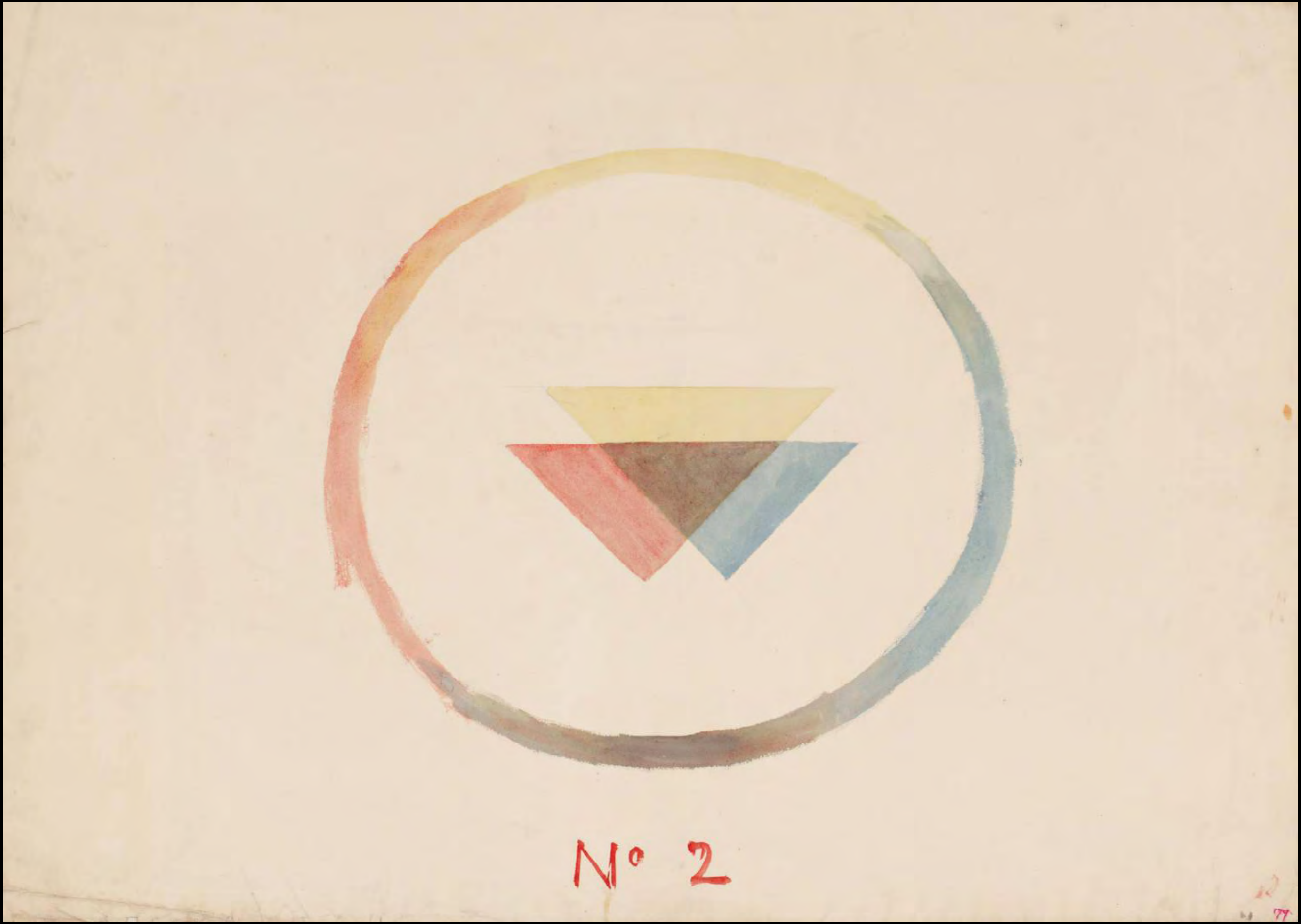
Joseph Turner
Inglaterra (1775-1851)

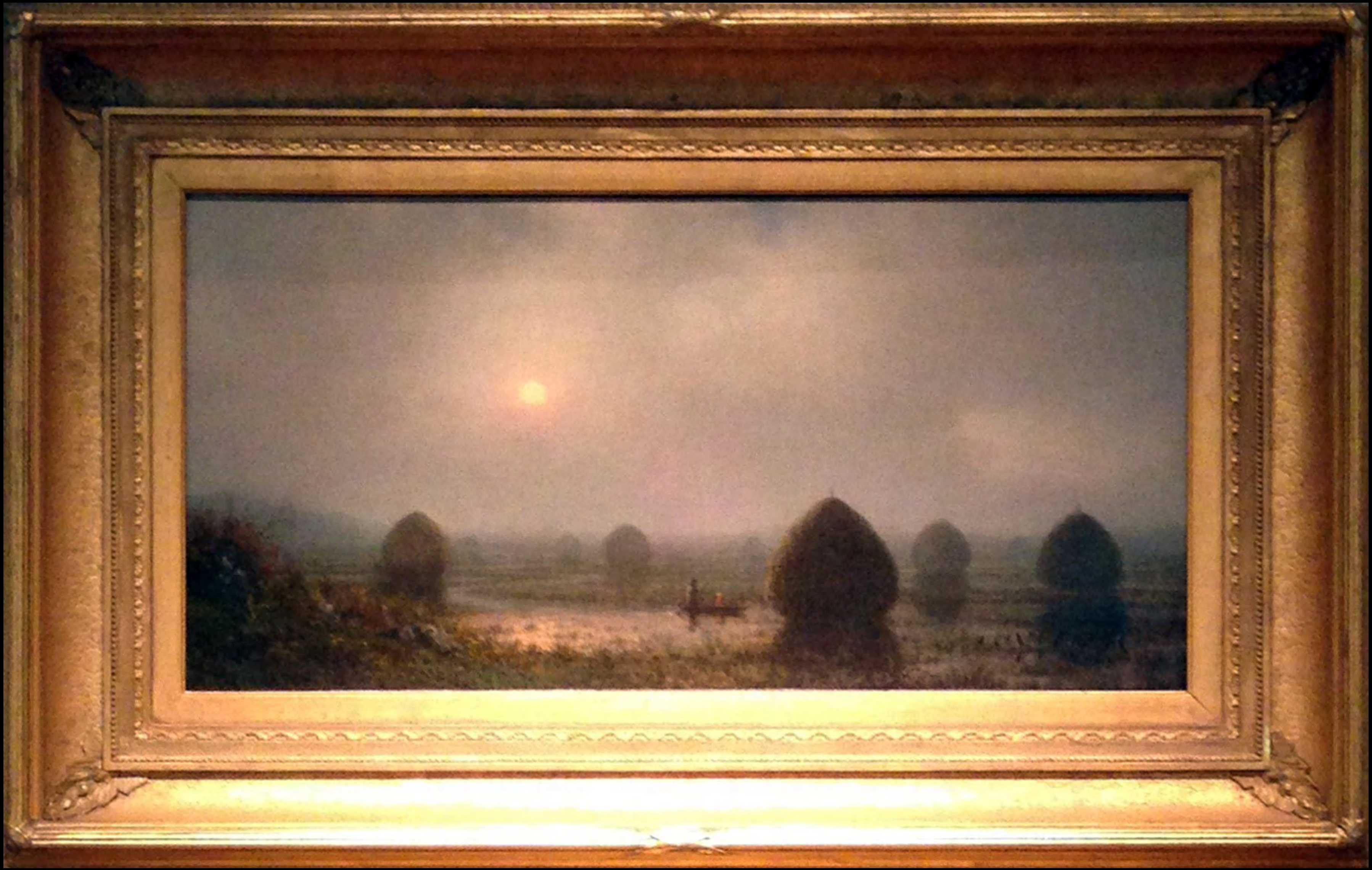


Joseph Turner
Inglaterra (1775-1851)

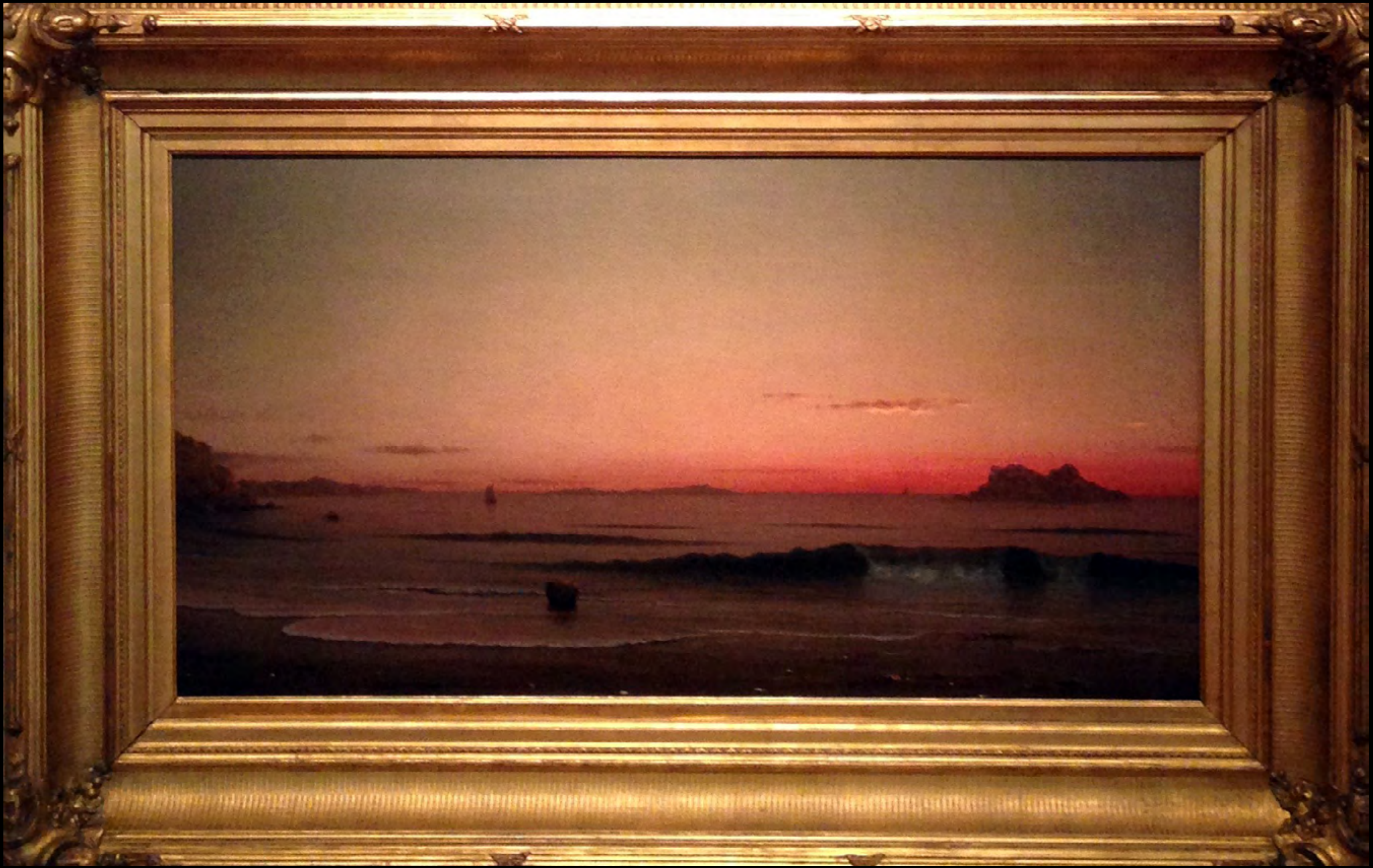


Joseph Turner
Inglaterra (1775-1851)

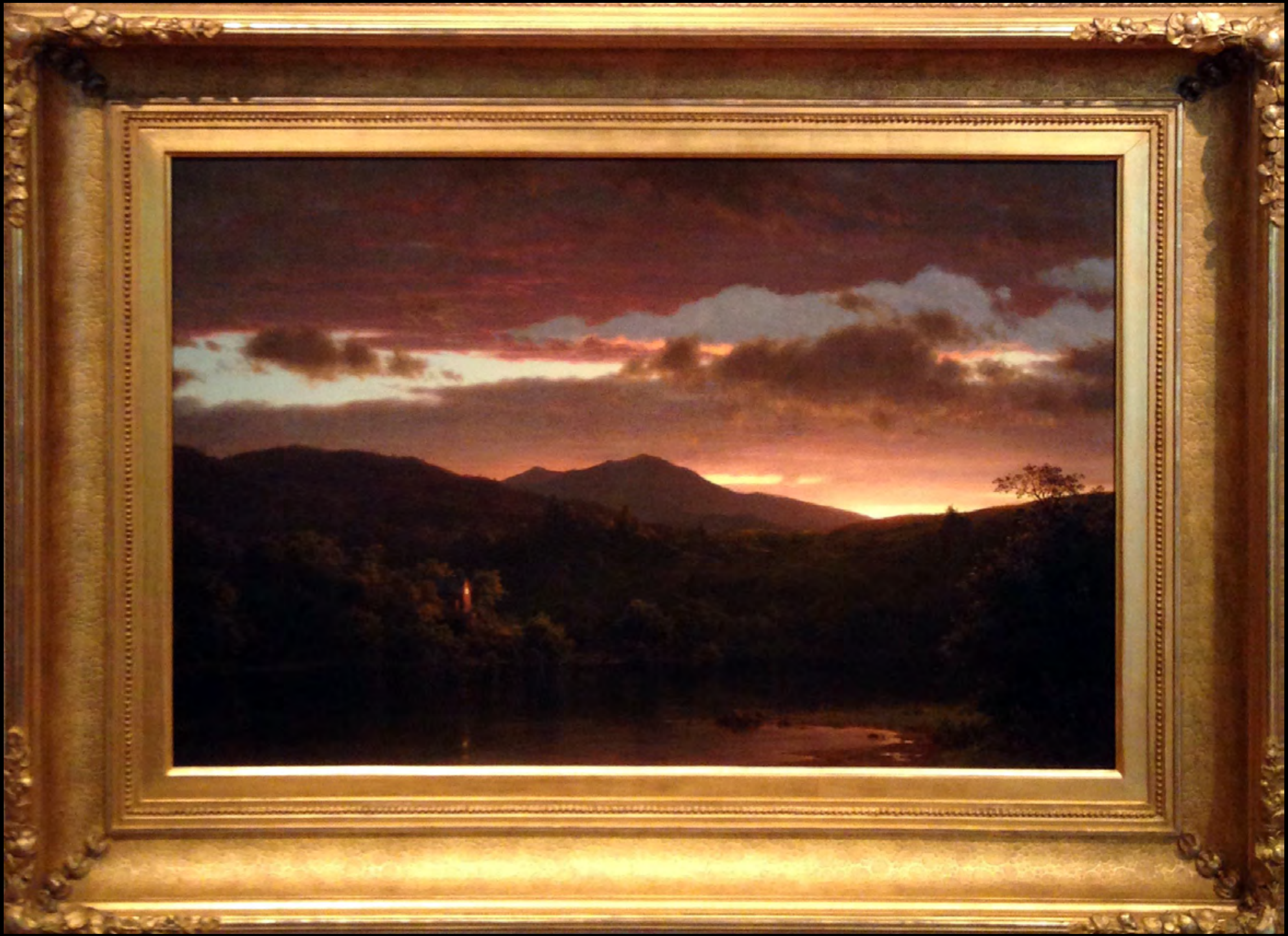
The Great Swamp
Martin Johnson Heade, 1868



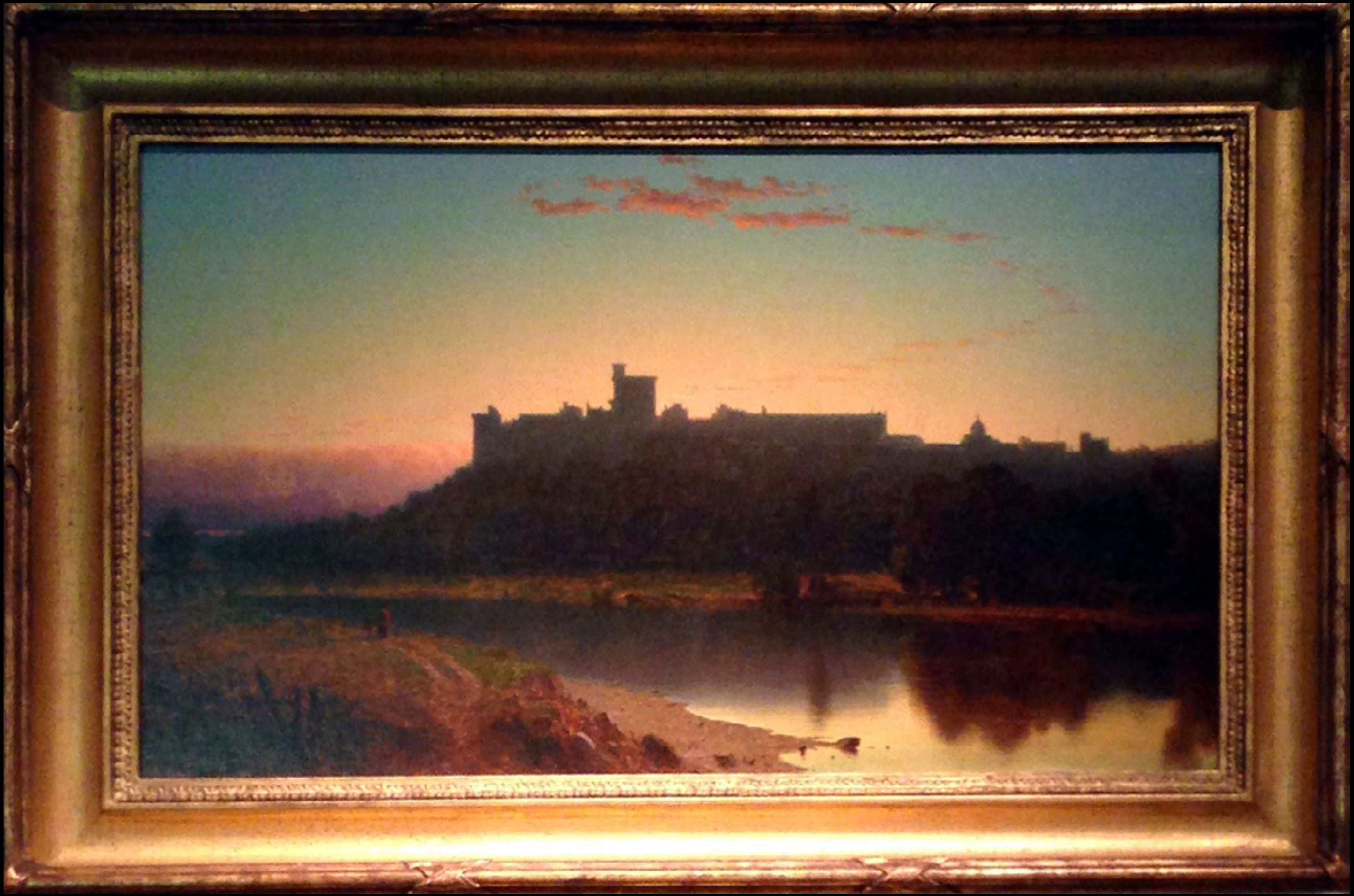
Singing Beach, Manchester, Massachusetts
Martin Johnson Heade, 1863



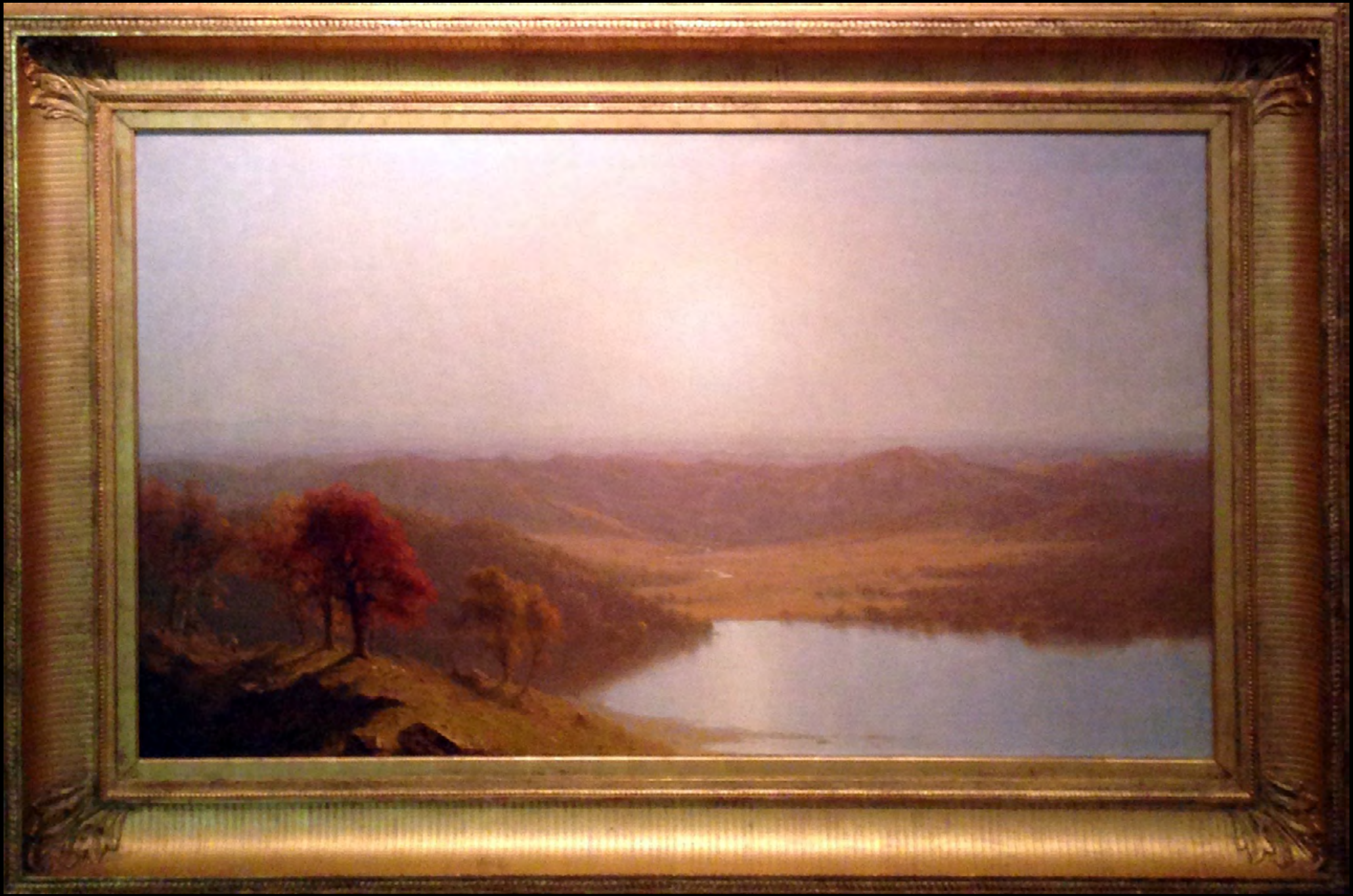
Twilight
Frederic Edwin Church, 1858



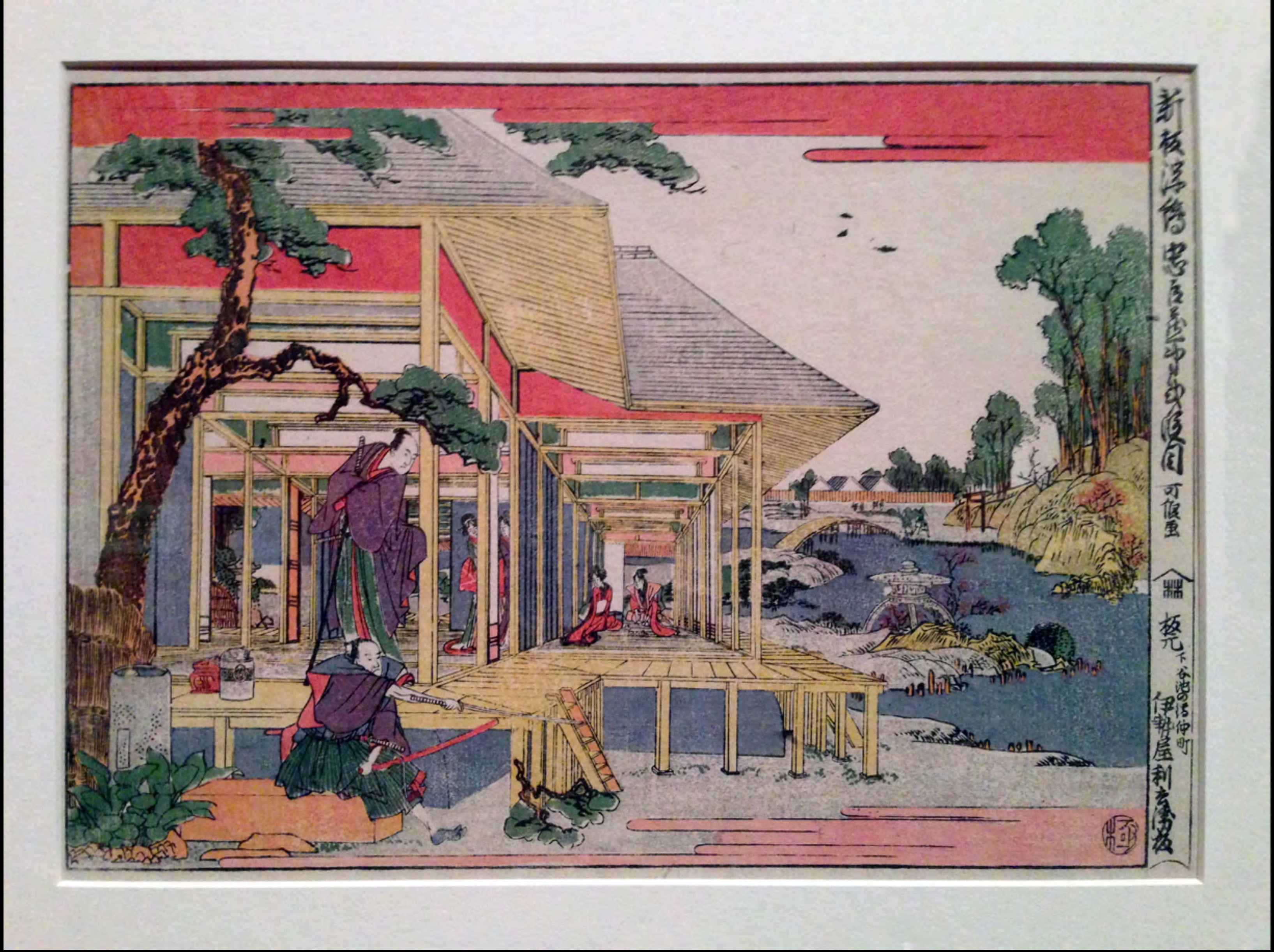
Windsor Castle
Sanford Robinson Gifford, 1860



A View from the Berkshire Hills, near Pittsfield, Massachusetts
Sanford Robinson Gifford, 1863

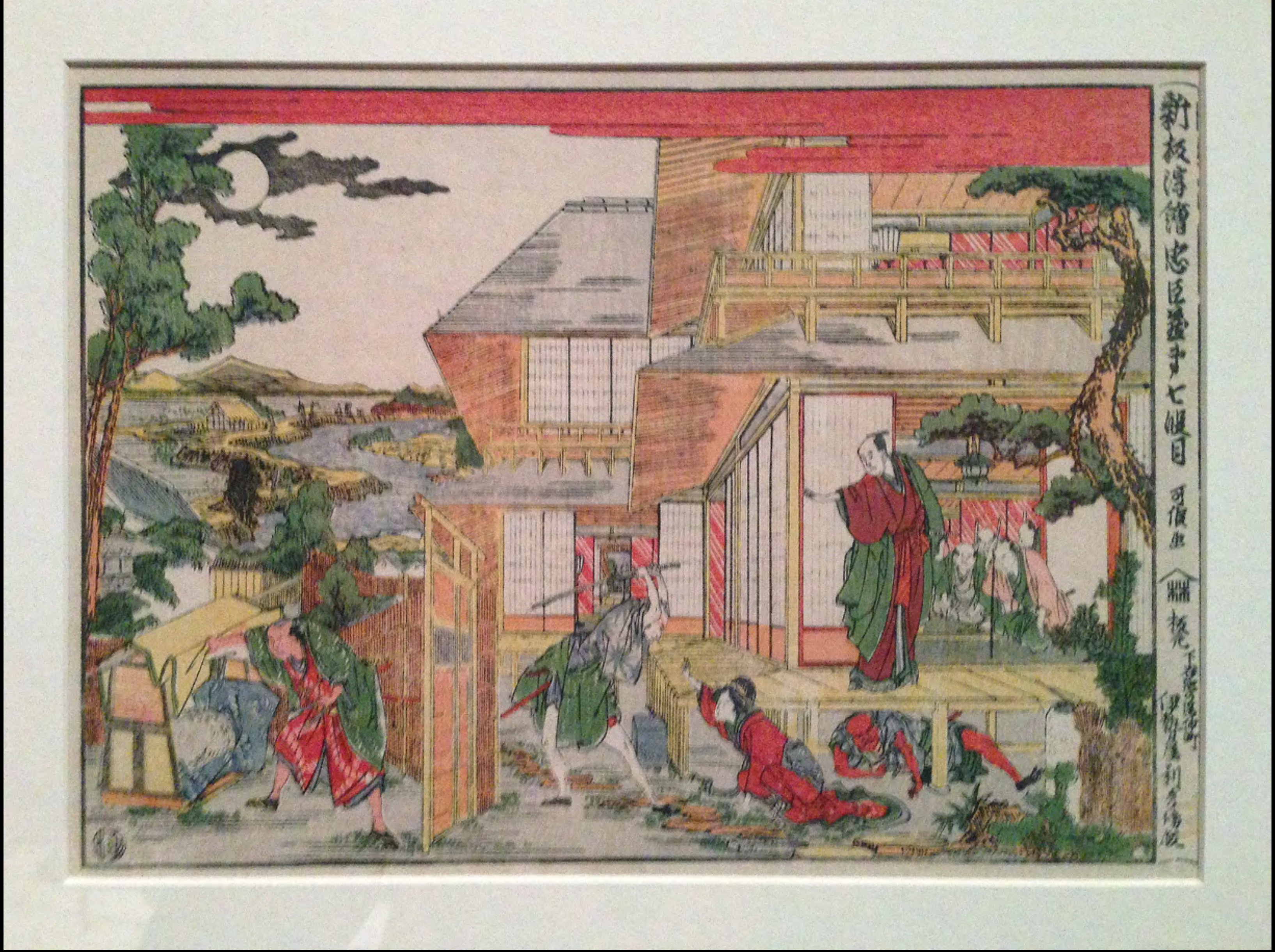


Newly Published Perspectives of Chushingura
(1803-1805)


新板浮絵忠臣蔵第九段目
可候画
板元 下谷池の端仲町
伊勢屋利兵衛板

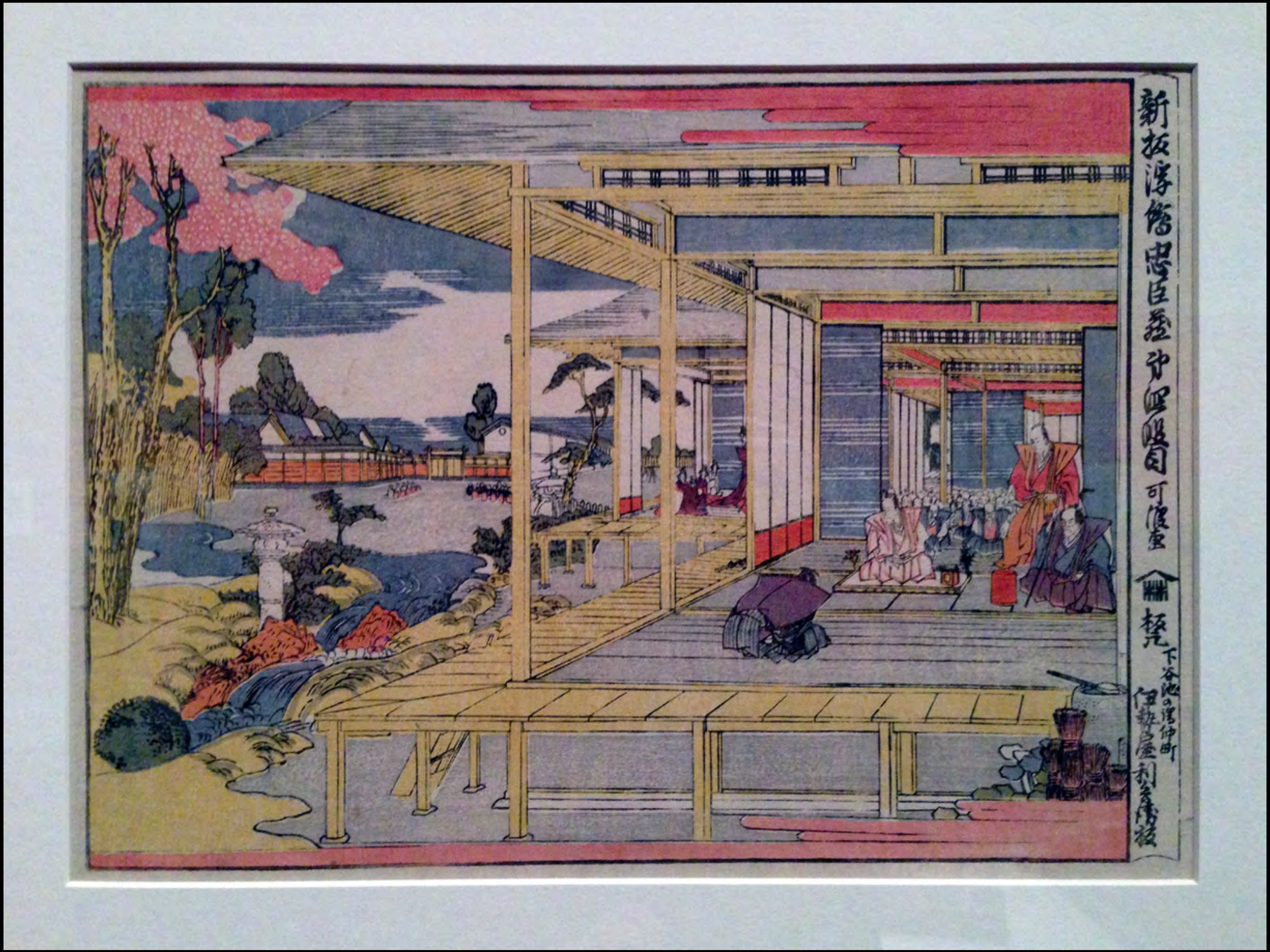
Katsushika Hokusai
Japão (1760-1849)

Newly Published Perspectives of Chushingura
(1803-1805)


新板浮繪忠臣蔵第七段目
可候画
伊勢屋利兵衛板

Katsushika Hokusai
Japão (1760-1849)

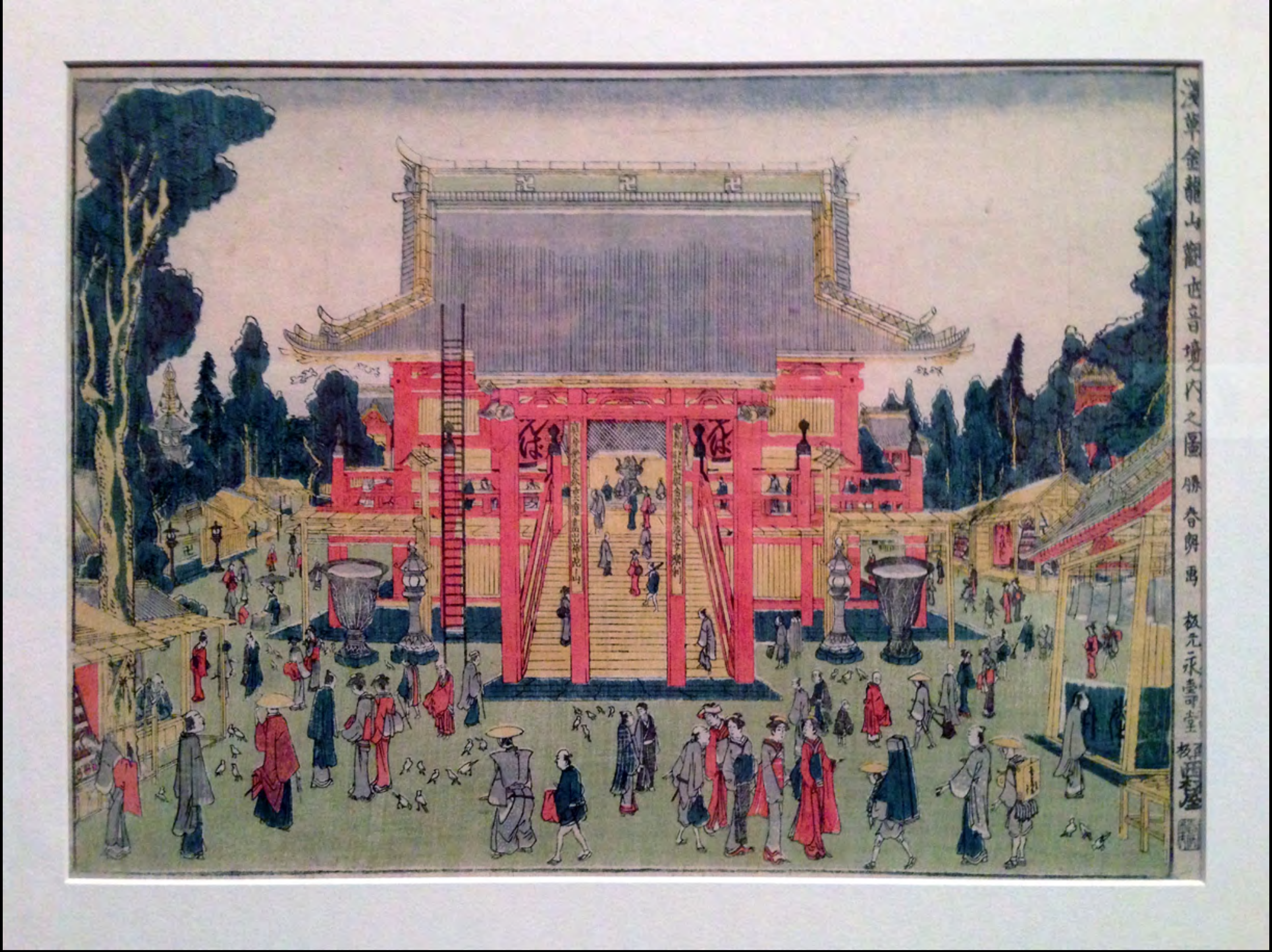
Newly Published Perspectives of Chushingura
(1803-1805)



新板浮絵忠臣蔵第四段目
可候画
板元
下谷池の端仲町
伊勢屋利兵衛板

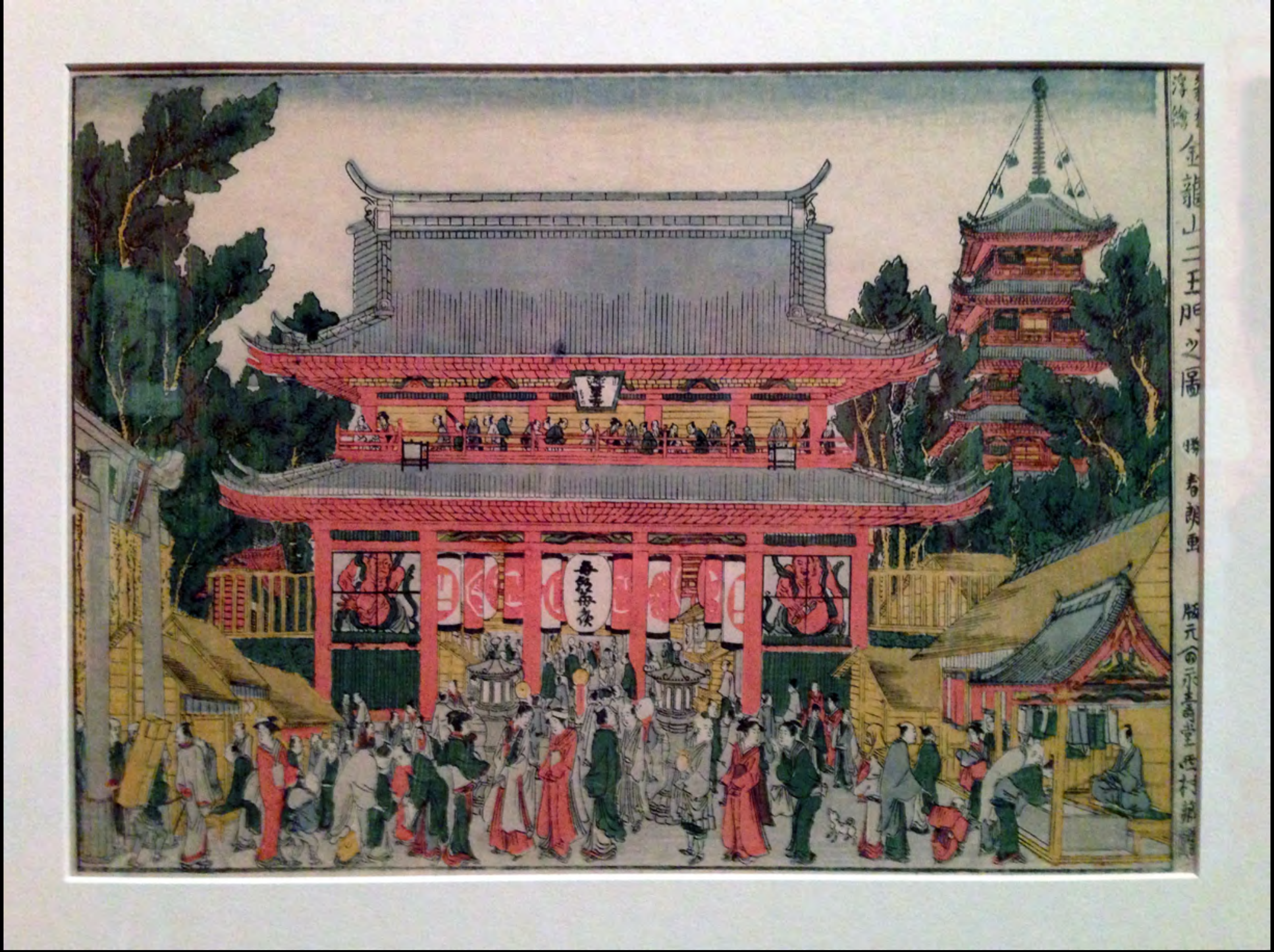
Katsushika Hokusai
Japão (1760-1849)

Newly Published Perspectives of Chushingura
(1803-1805)

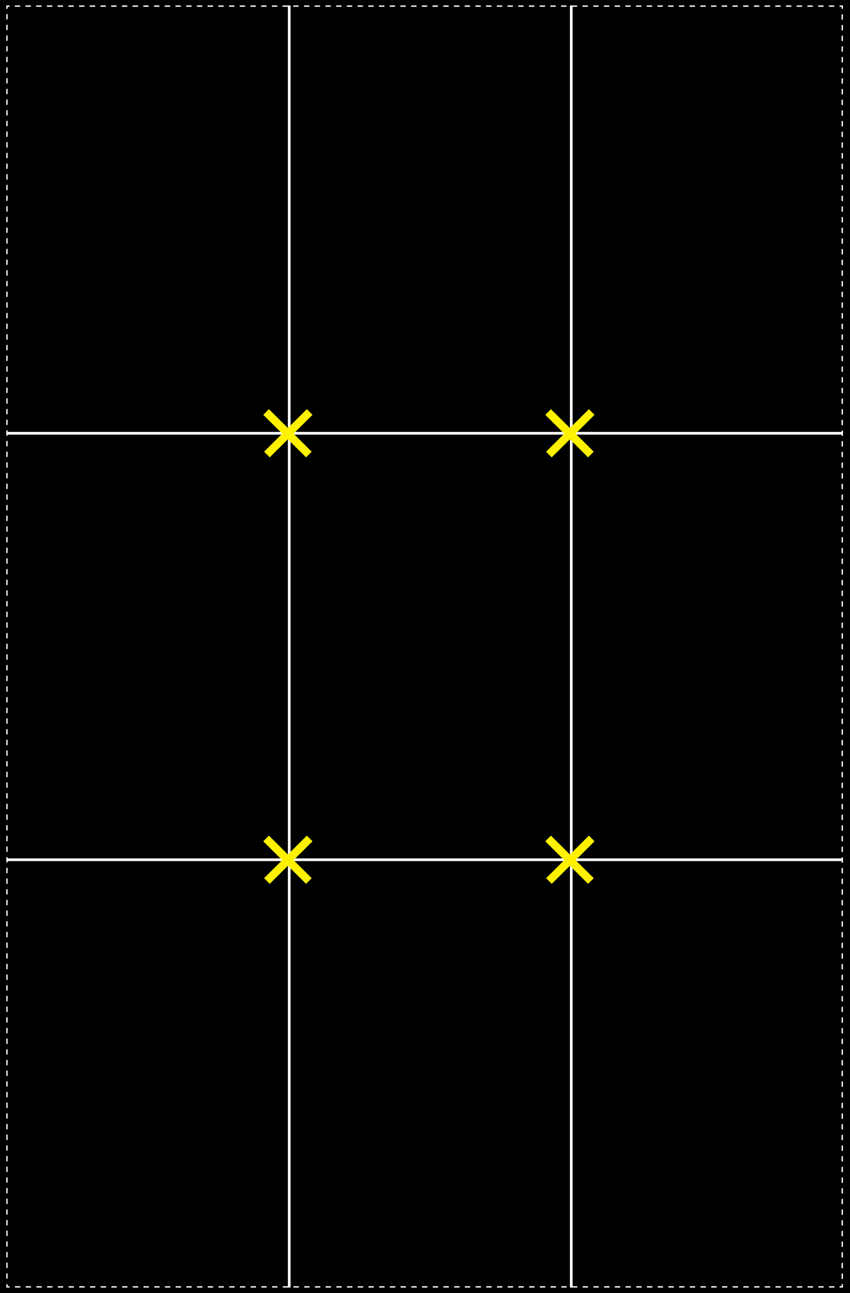

浅草金龍山観世音境内之圖
勝春朗画
板元永壽堂
板 西村屋

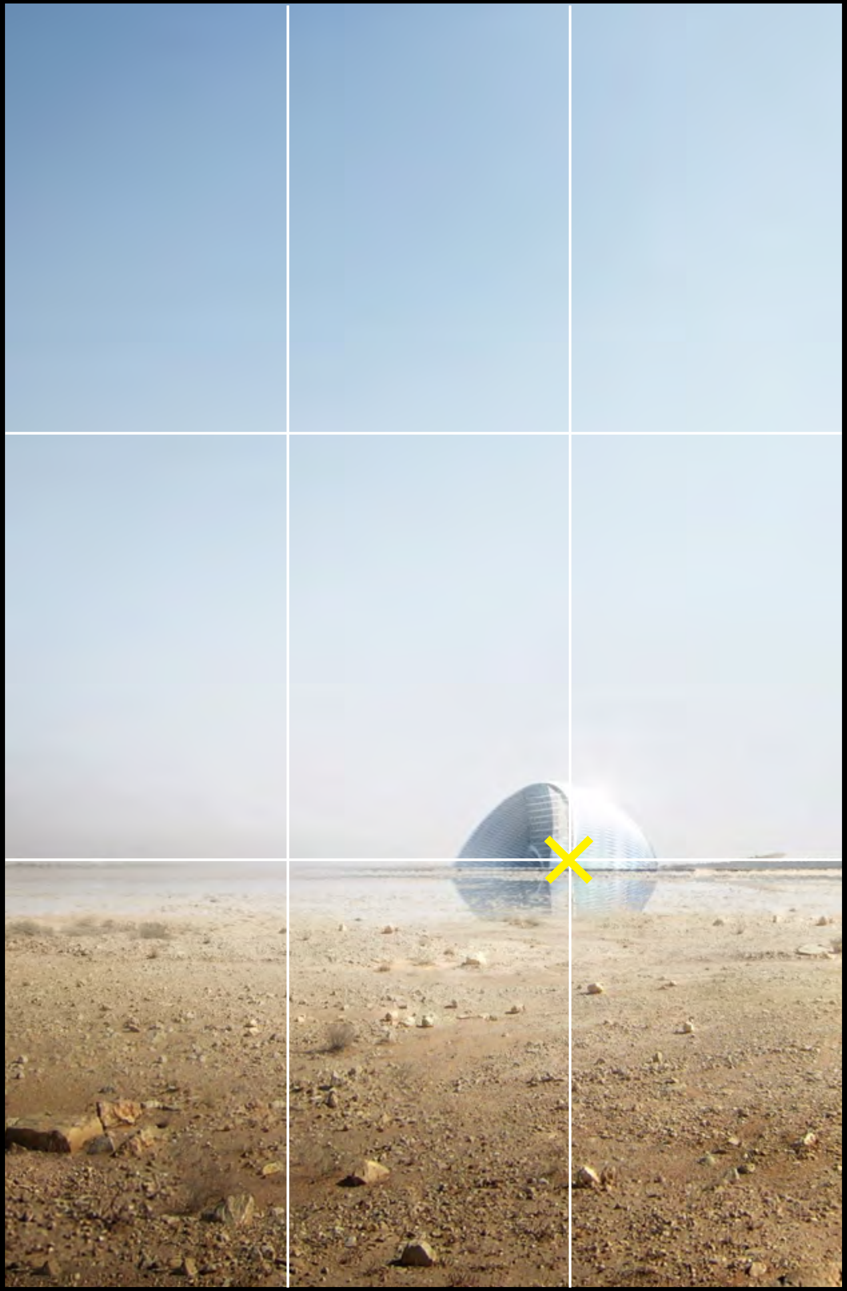
Katsushika Hokusai
Japão (1760-1849)

Newly Published Perspectives of Chushingura
(1803-1805)


浮絵
金龍山仁王門之圖
勝春朗画
版元 永寿堂 西村

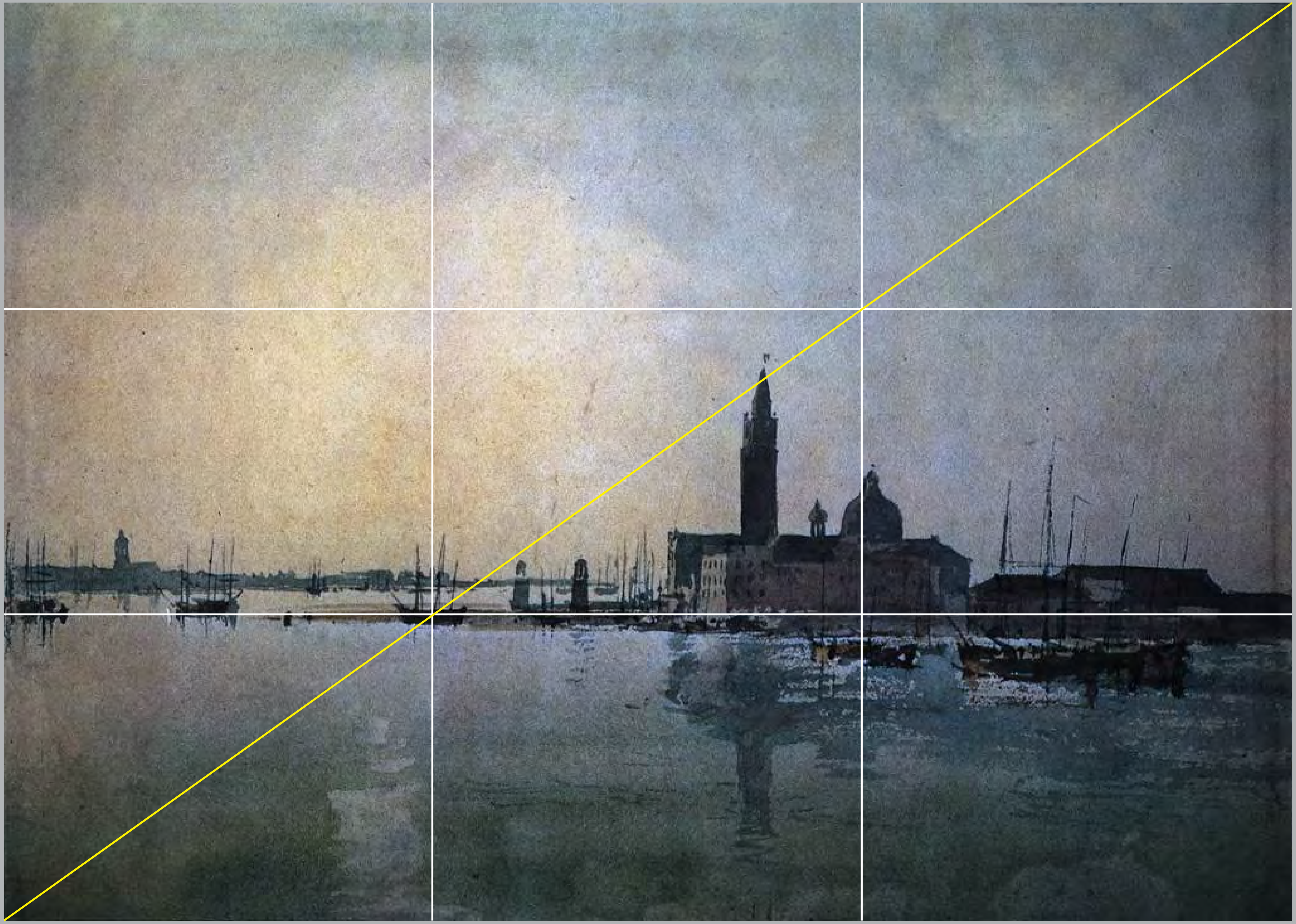
Katsushika Hokusai
Japão (1760-1849)



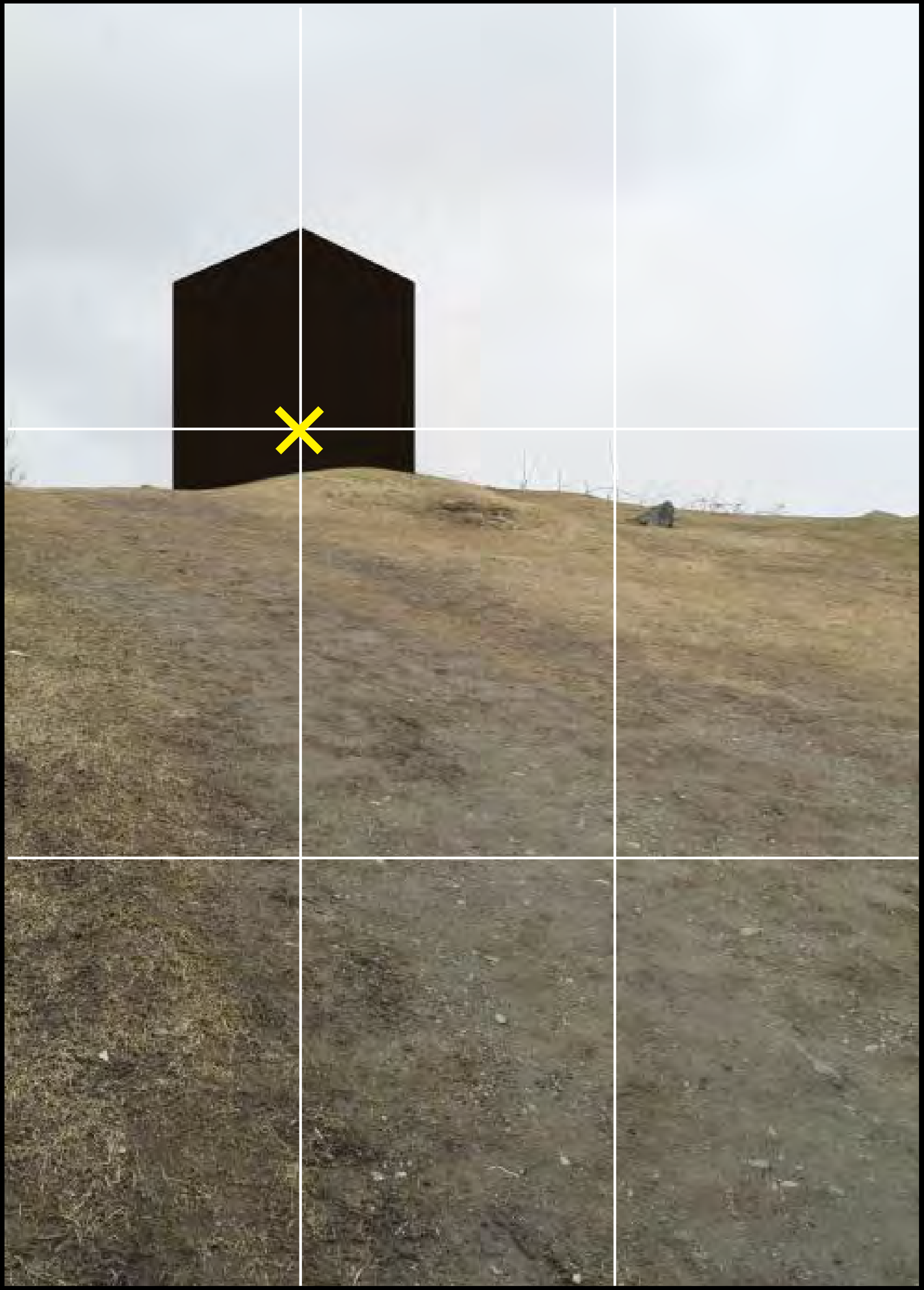


Mirage / Snøhetta - Kapsarc/Kuwait

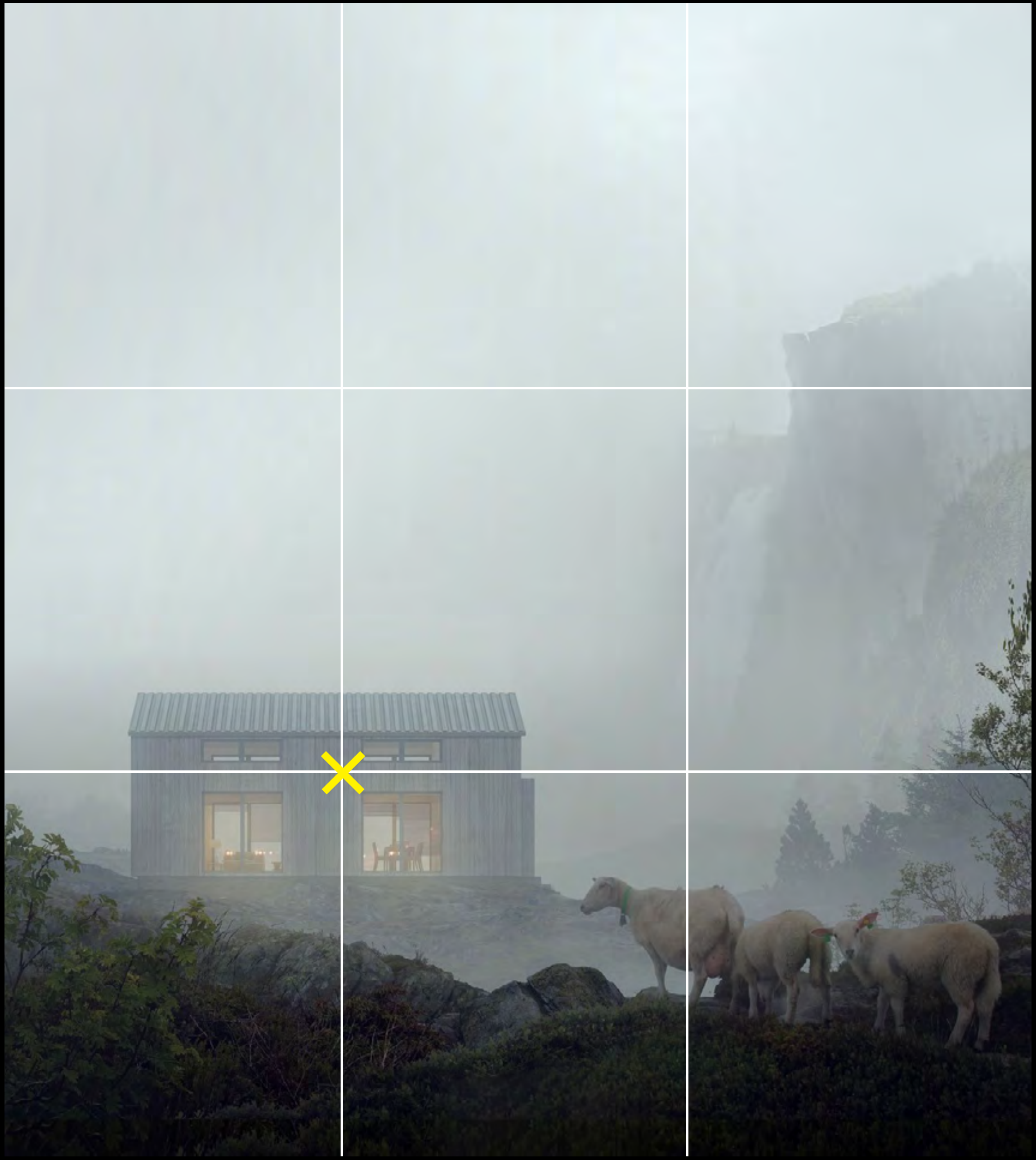
San Giorgio Maggiore at Dawn, 1819



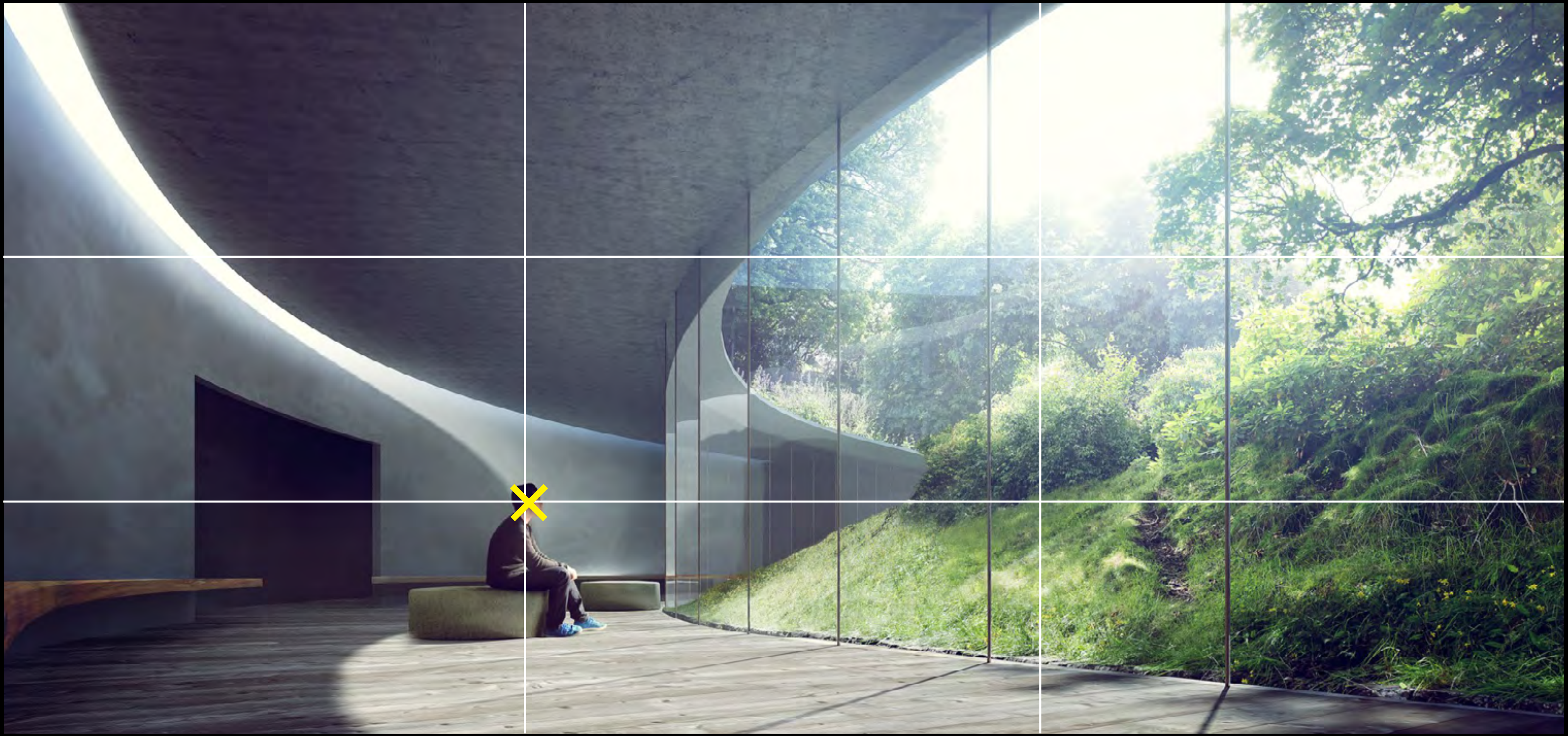
Joseph Turner
Inglaterra (1775-1851)



Leerstelle 4 - Polygon / Philipp Schaerer

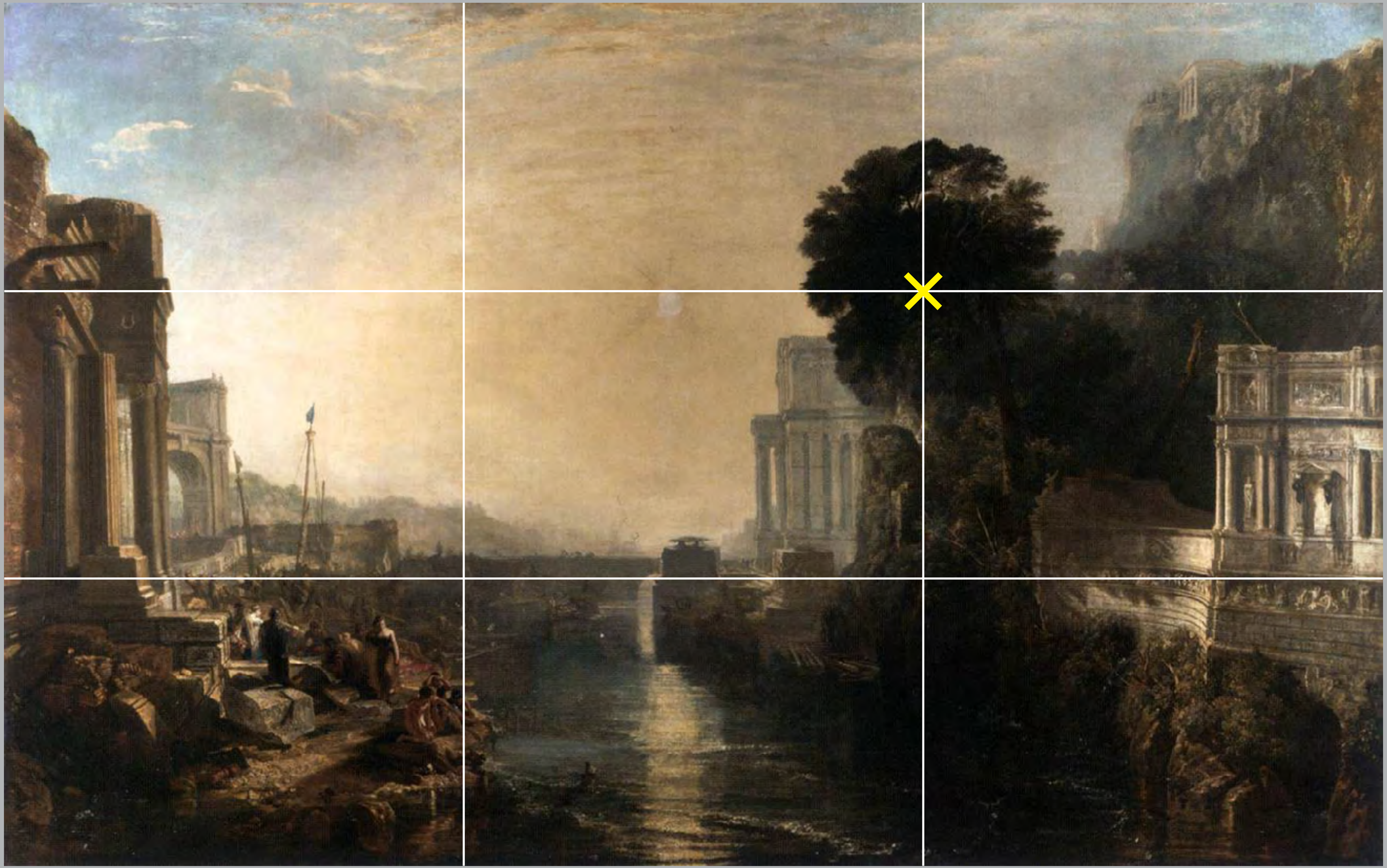


Kittelsen Troll / Rindalshytter - Rindal/Norway

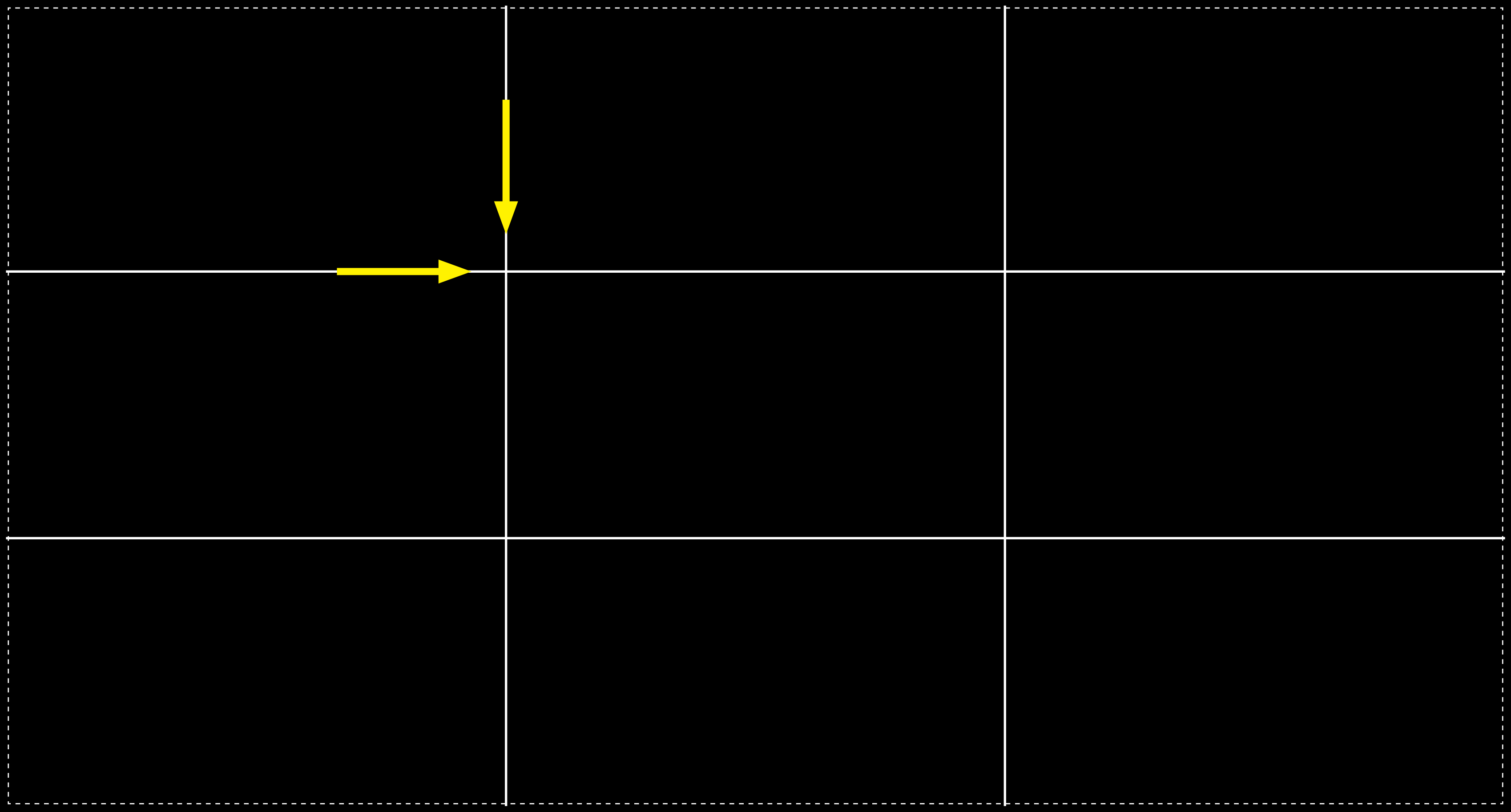


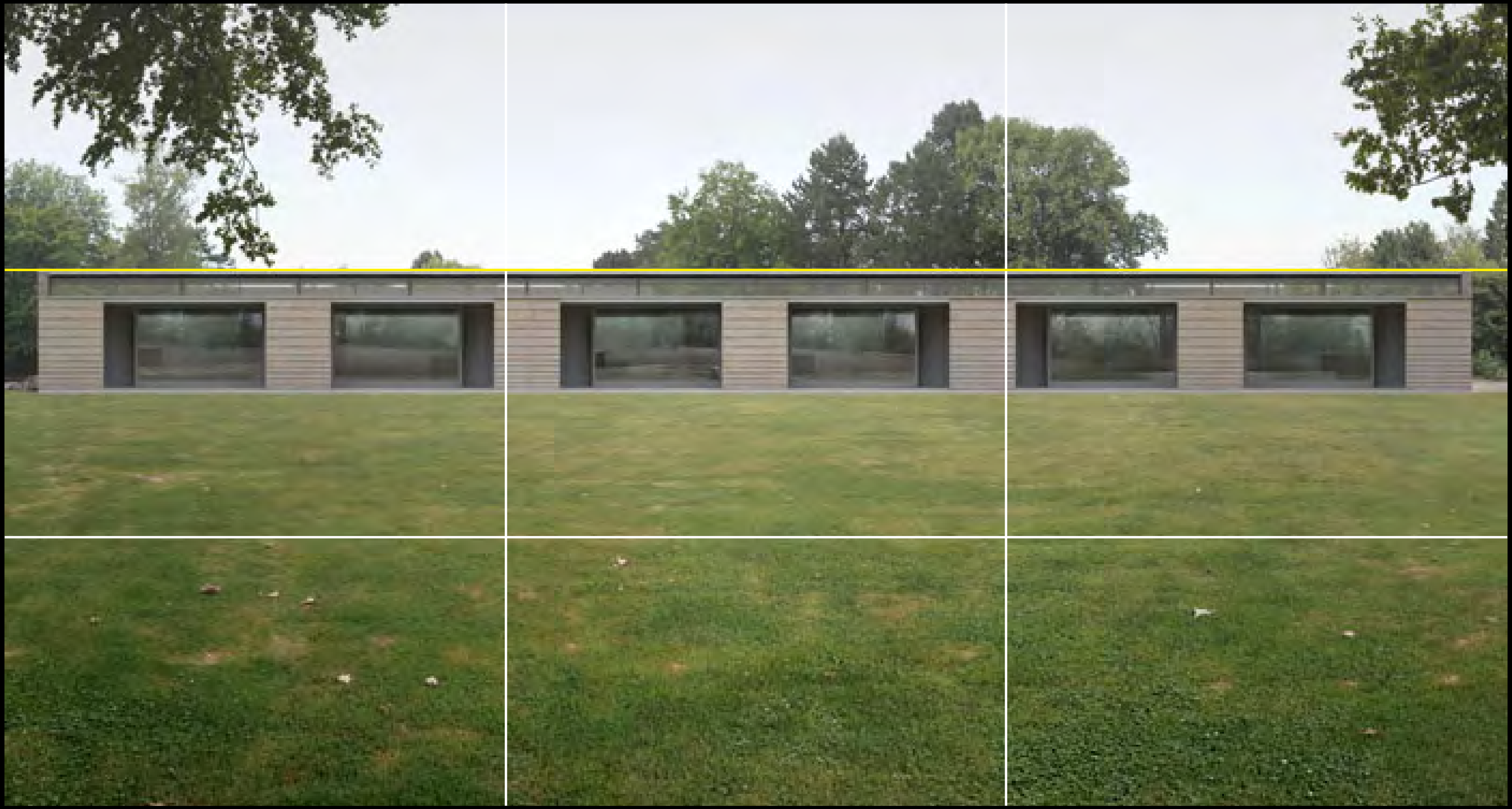
Mindfullness / Jaja & Kengo Kuma - Copenhagen/Denmark

Dido Building Carthage or the Rise of the Carthaginian Empire, 1815

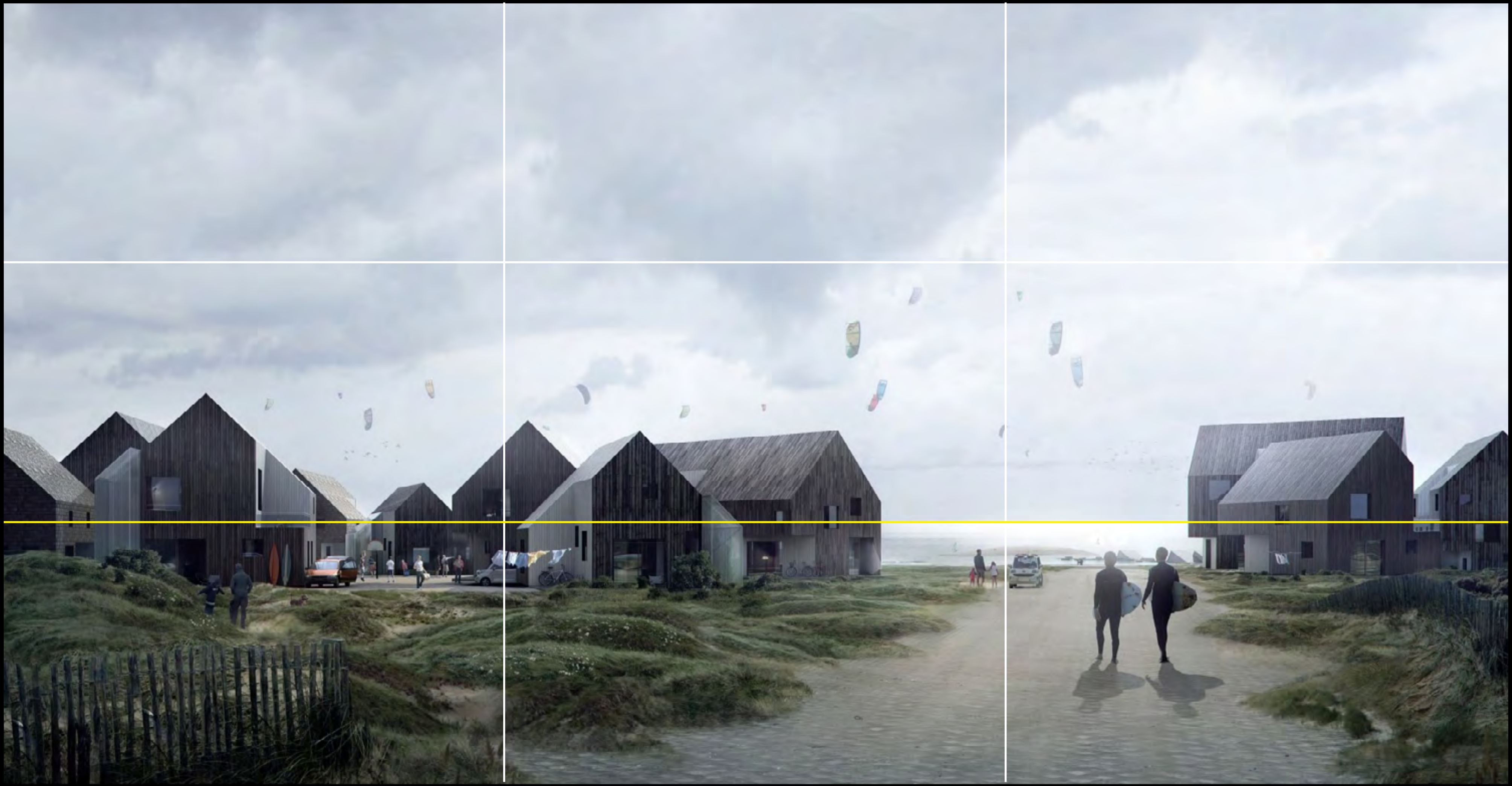


Joseph Turner
Inglaterra (1775-1851)

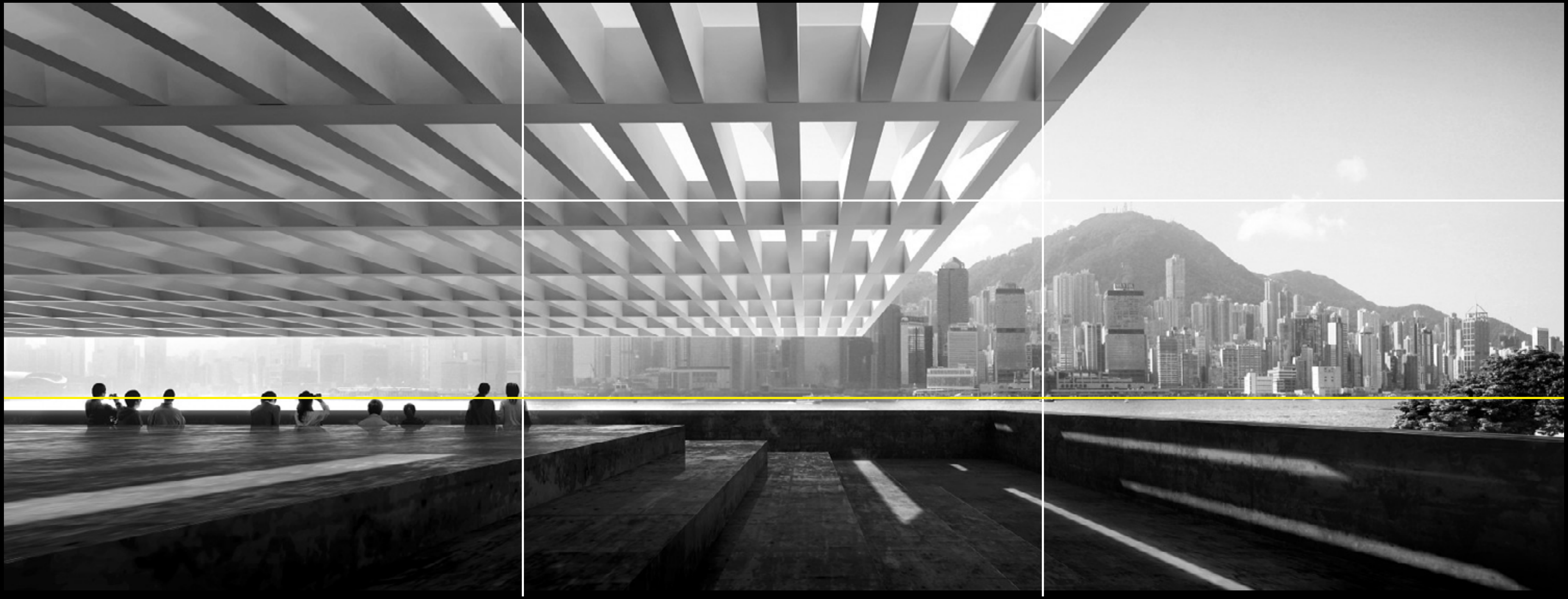




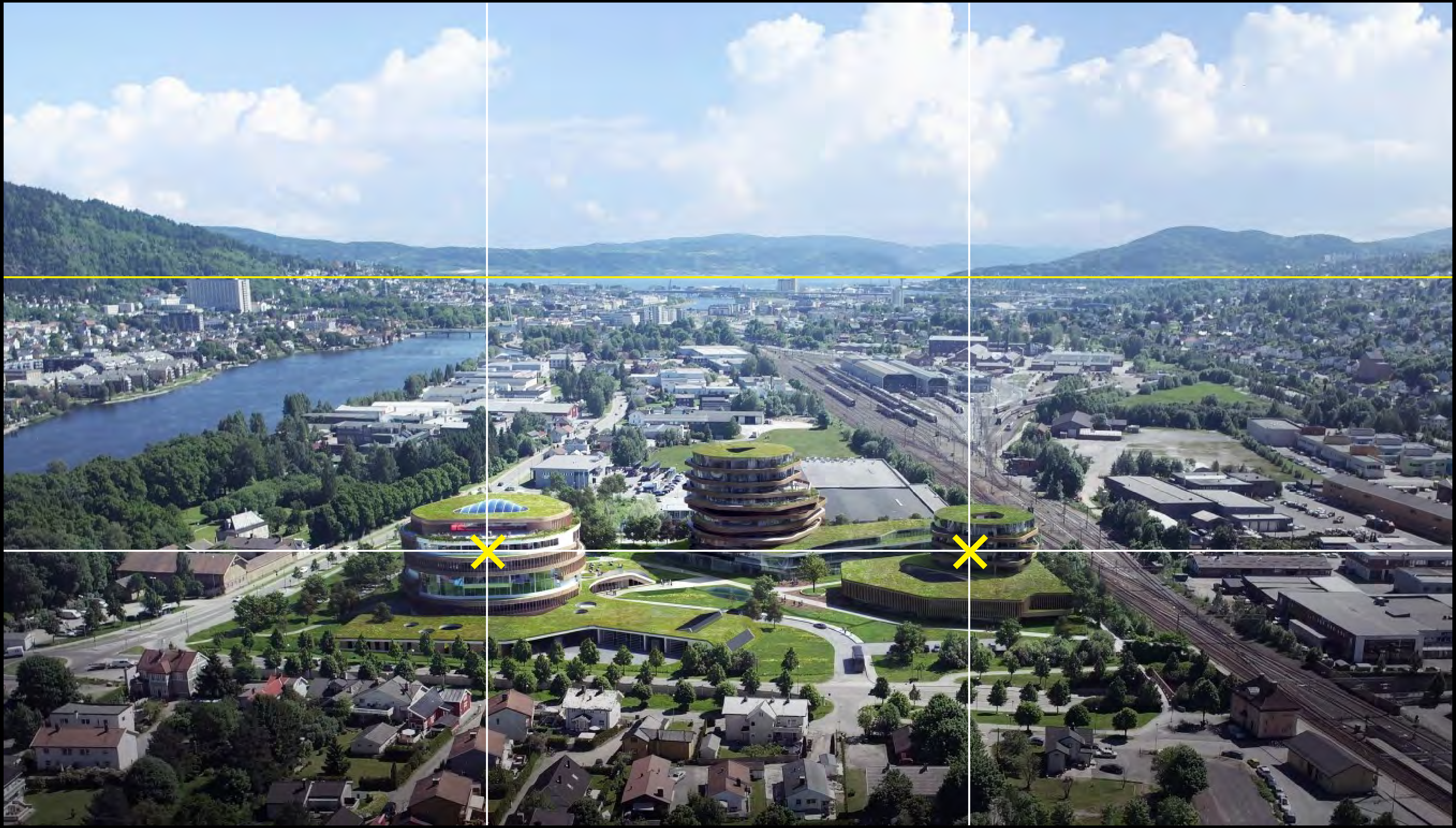
Boltshauser Serie - Allenmoos 1 / Philipp Schaerer



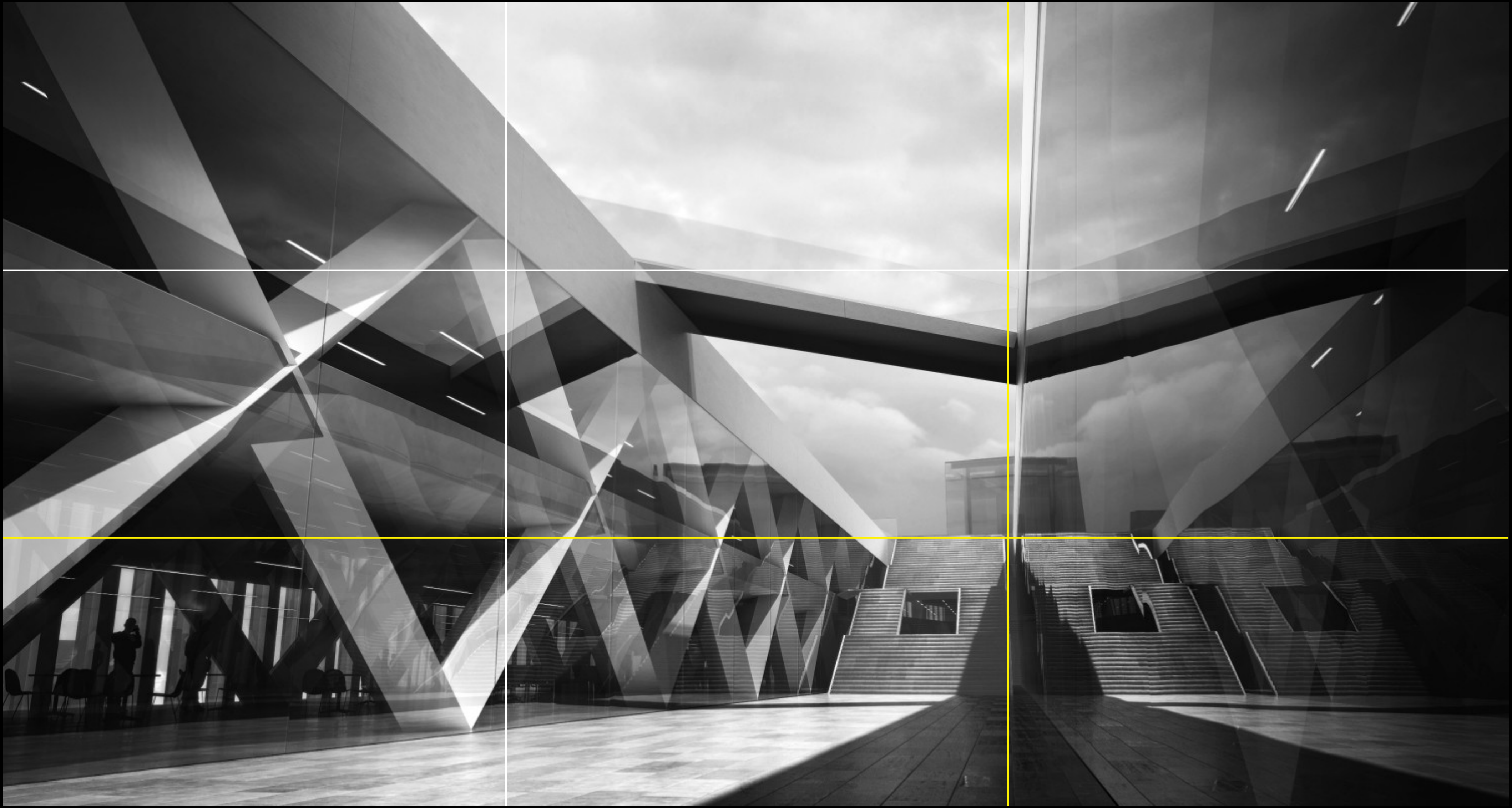
Scandinavian Beach Life / Effekt - Ringkøbing/Denmark



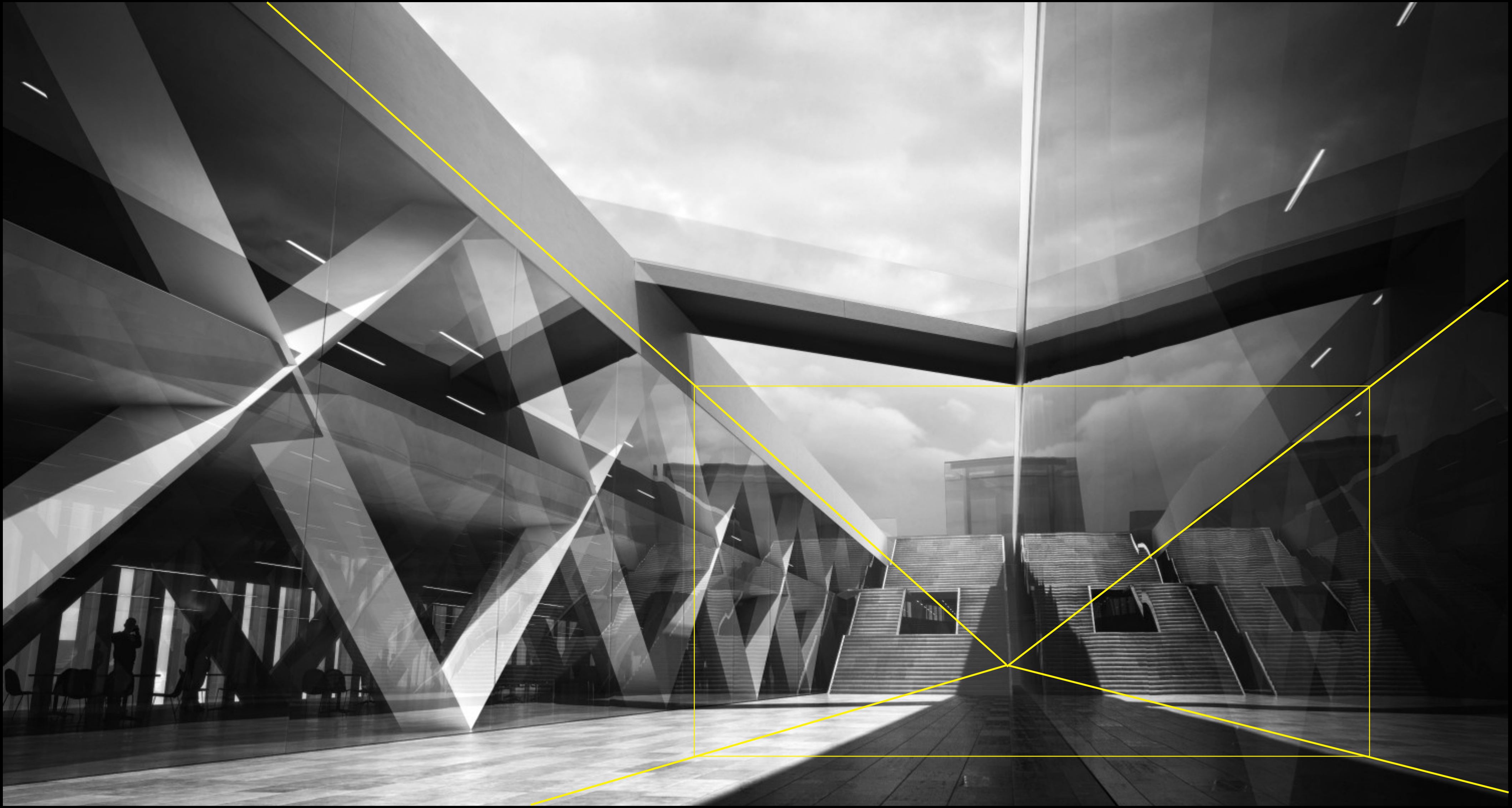
New View / Snøhetta - Hong Kong/Hong Kong



Just as it is / HLM & Cubo Arkitekter - Drammen/Norway



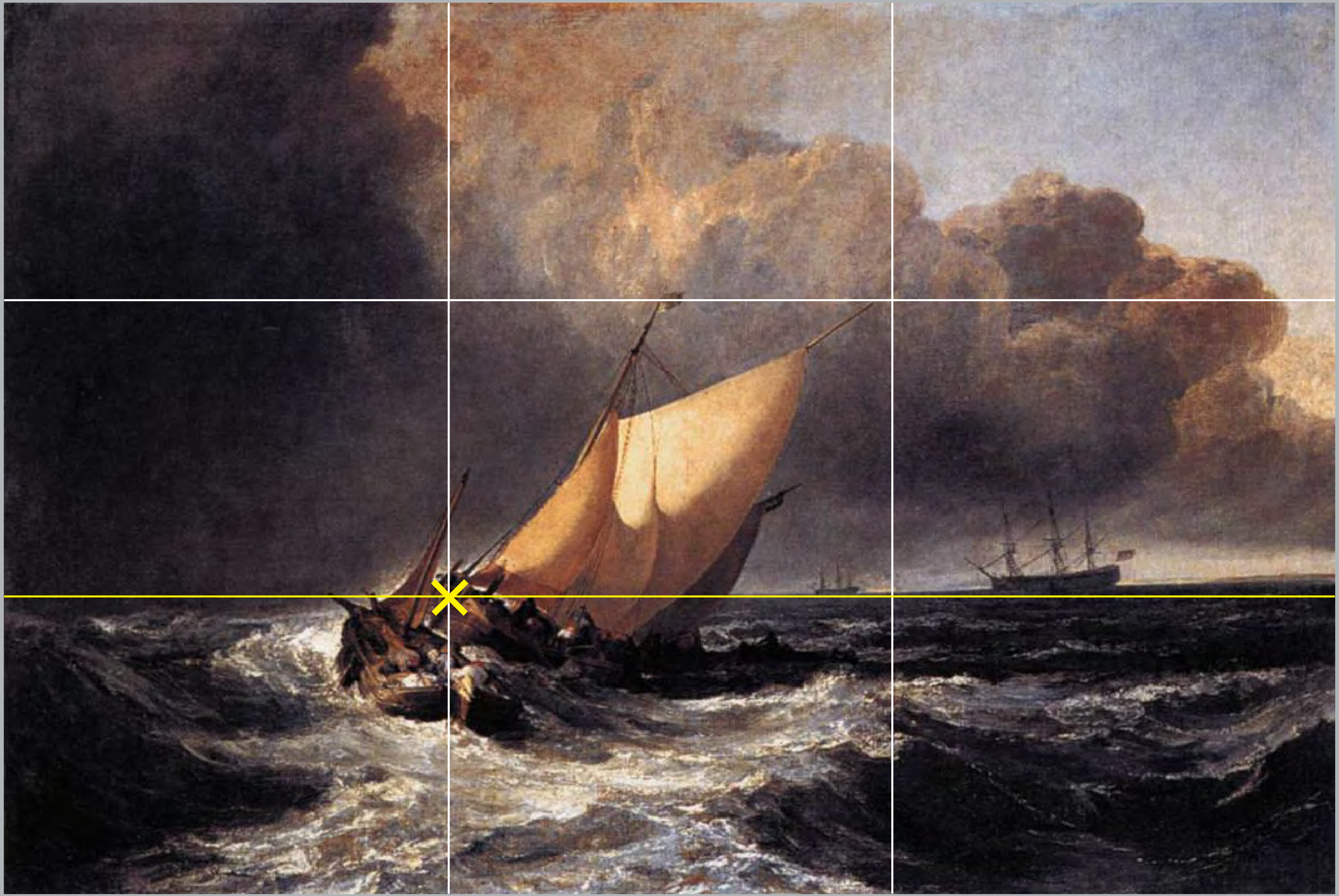
Perflections / Aedas - Linkong/China



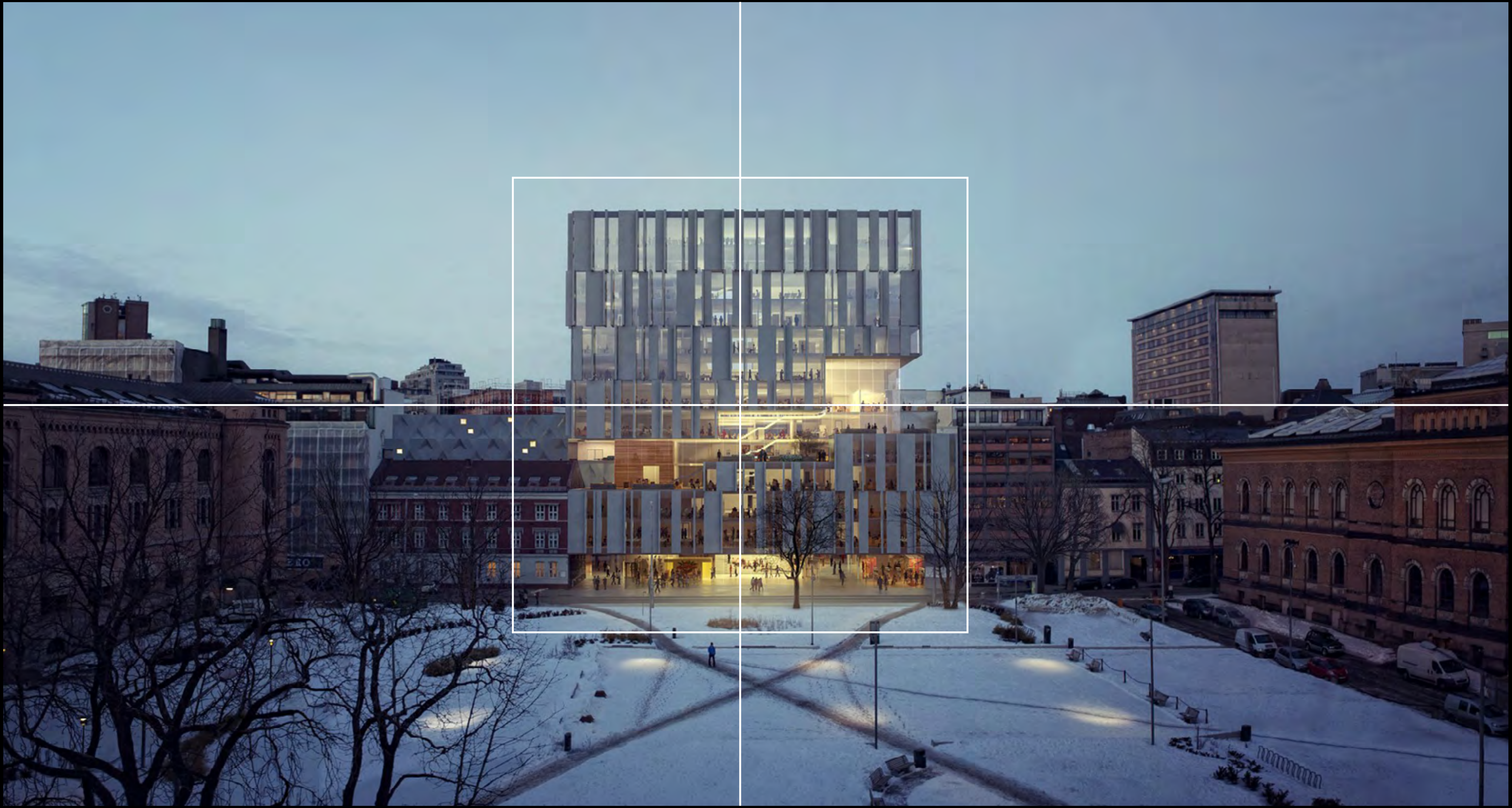
Perflections / Aedas - Linkong/China

http://www.labtop-rendering.com

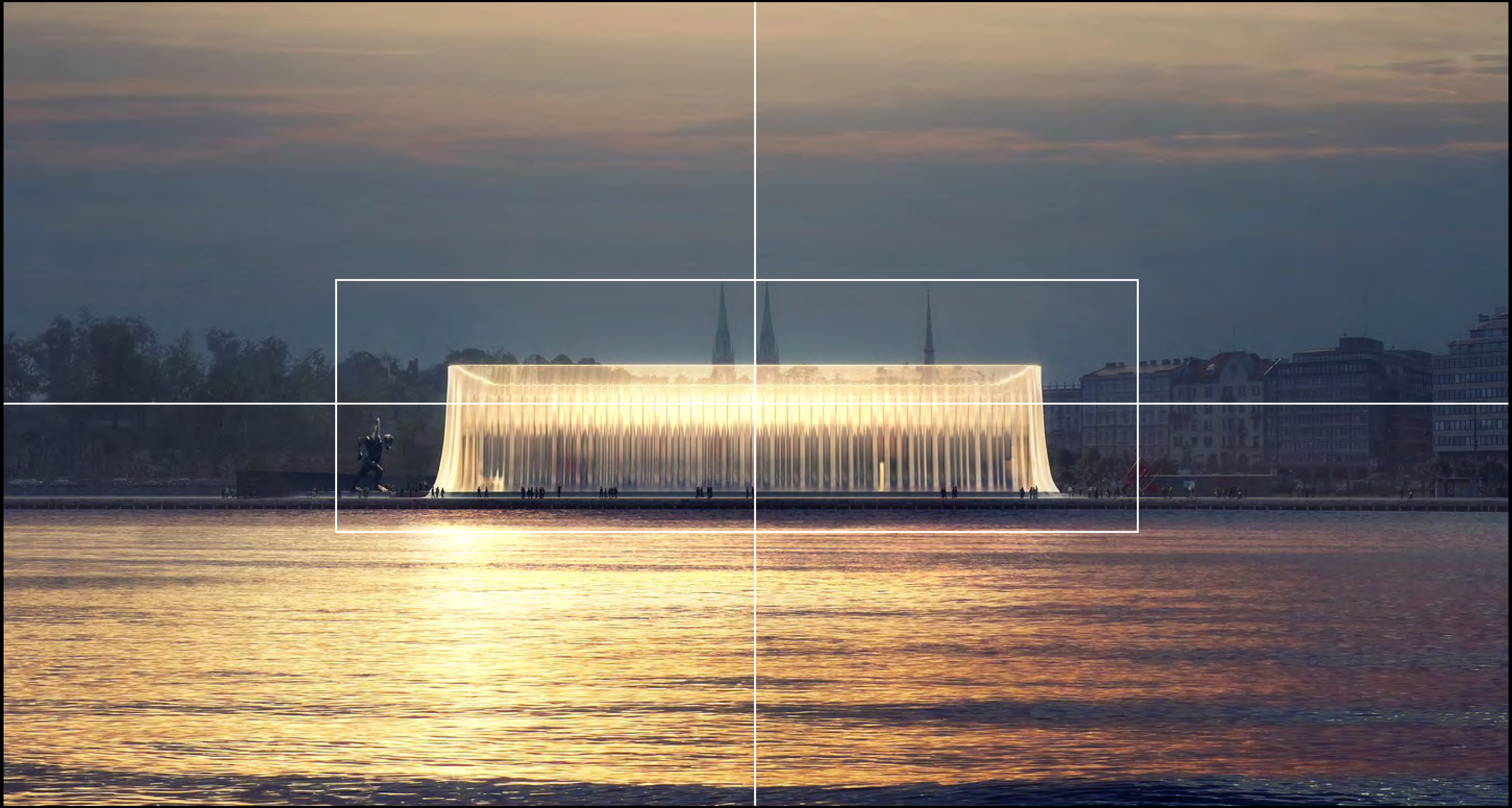
Dutch Boats in a Gale, 1801



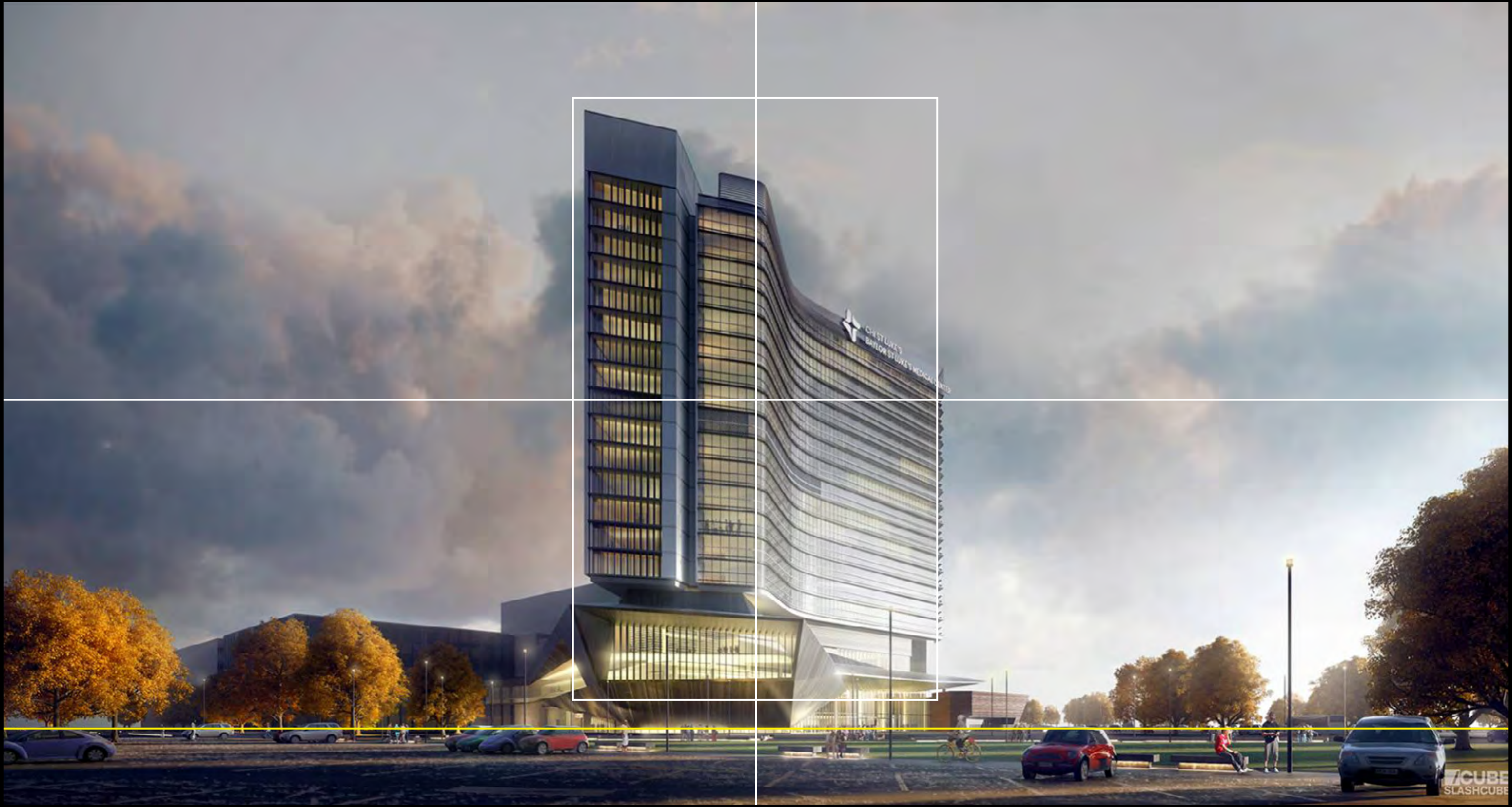
Joseph Turner
Inglaterra (1775-1851)



Boxcross / MAD - Oslo/Norway

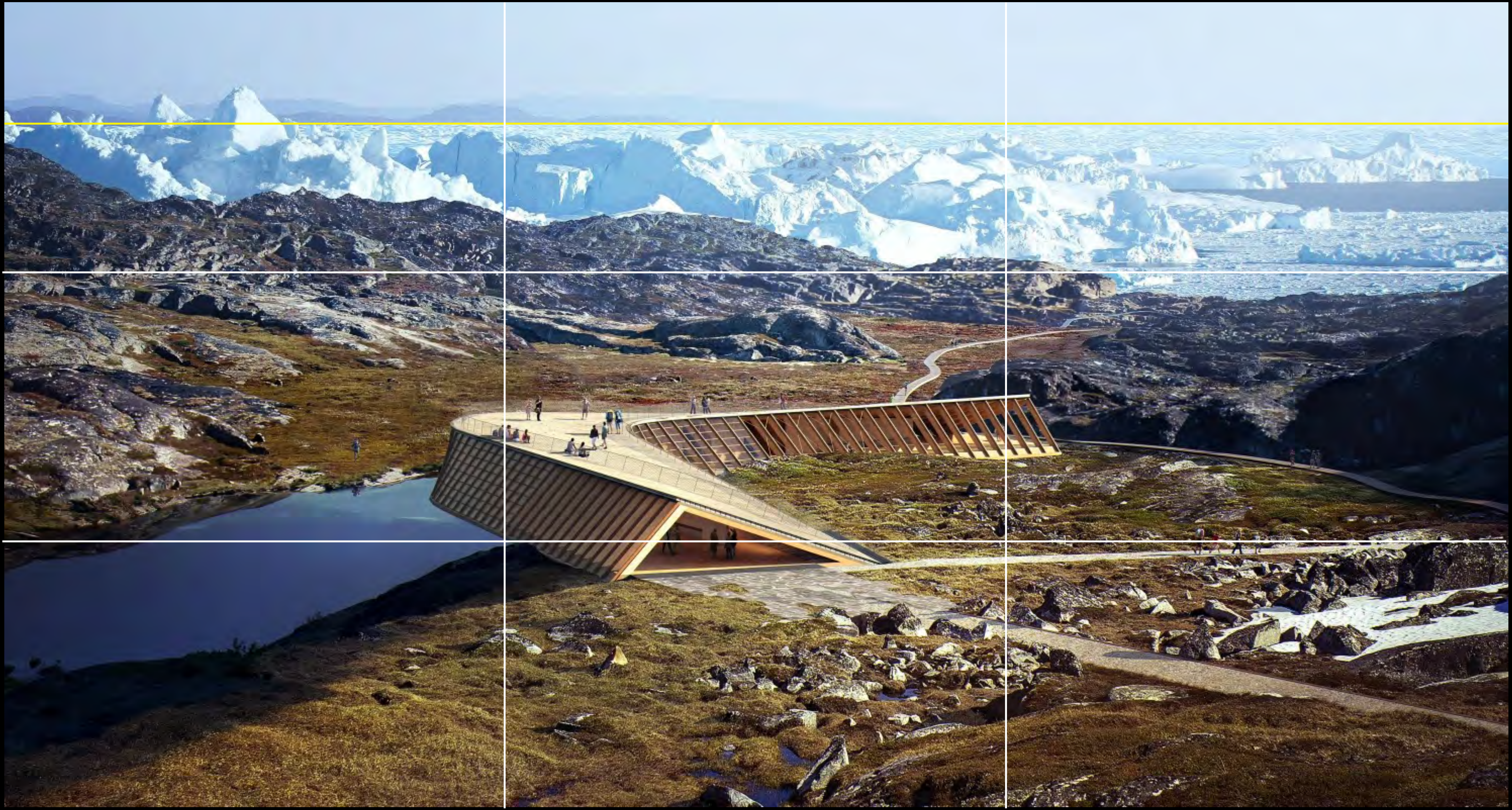


Catching the Light / Asif Khan - Helsinki/Finland

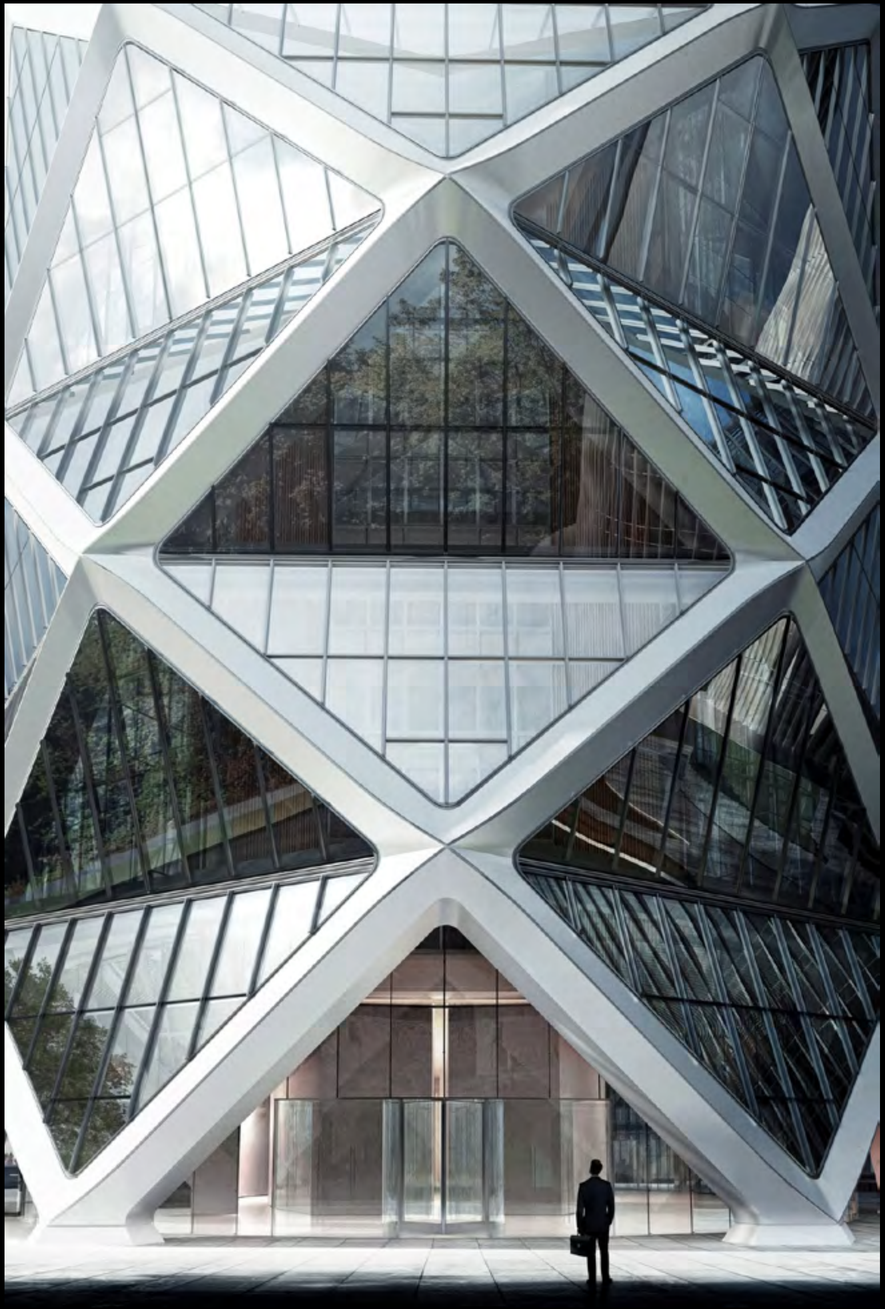


CHI ST LUKE'S
BAYLOR ST LUKE'S MEDICAL CENTER
/CUBE
SLASHCUBE

Baylor Clinic / HKS Line – USA



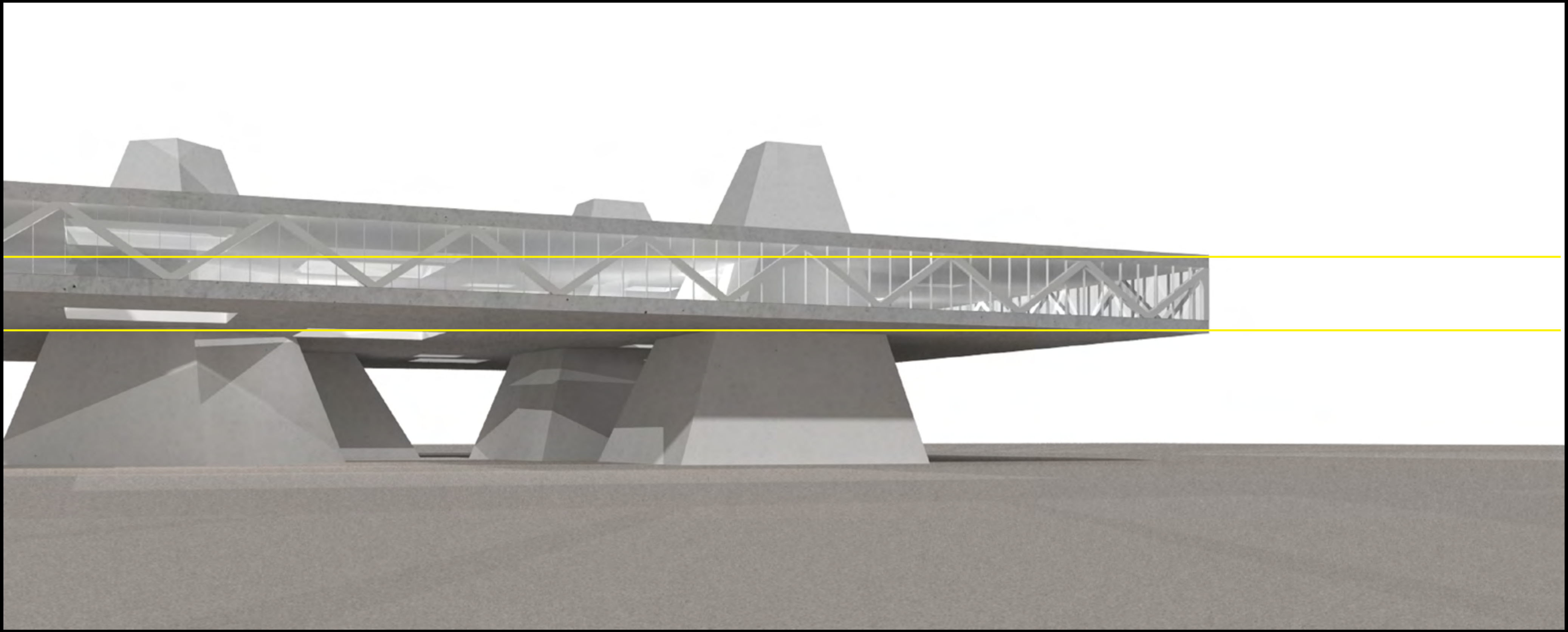
Tourist / Dorte Mandrup Arkitekter - Icefjord/Greenland

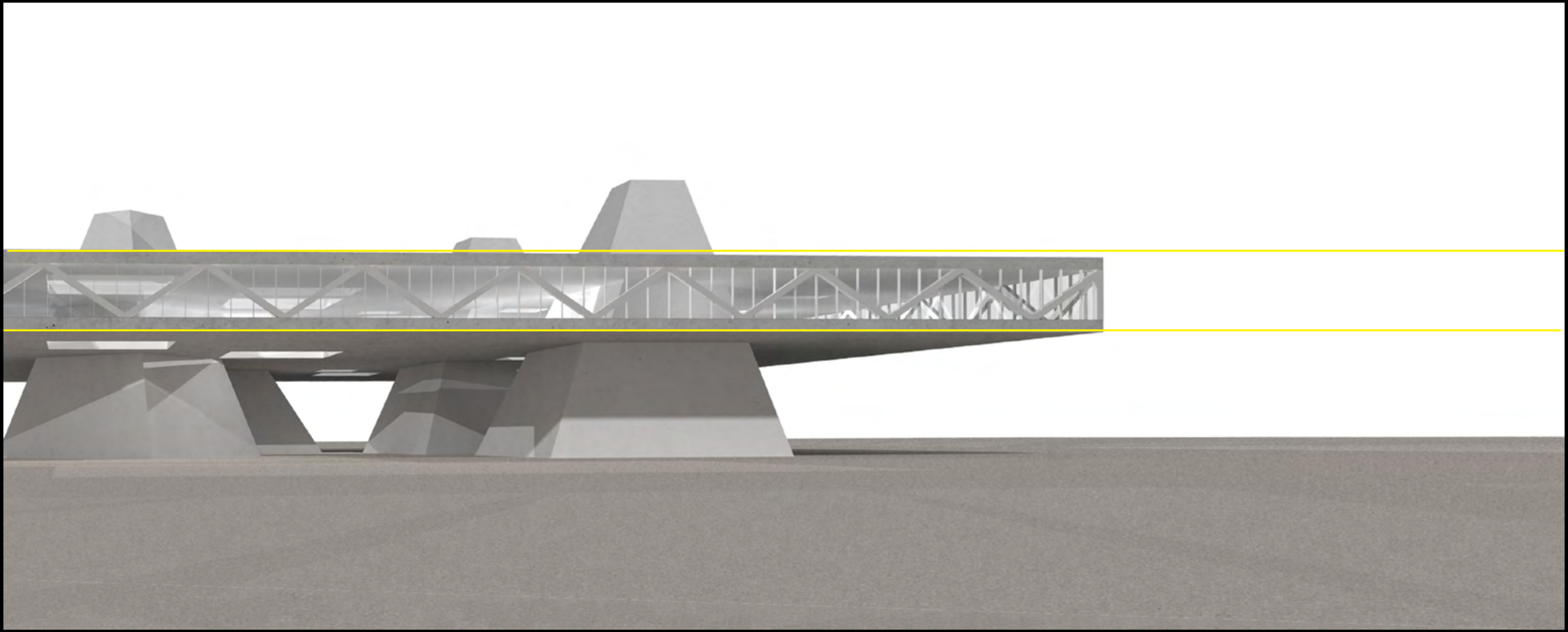


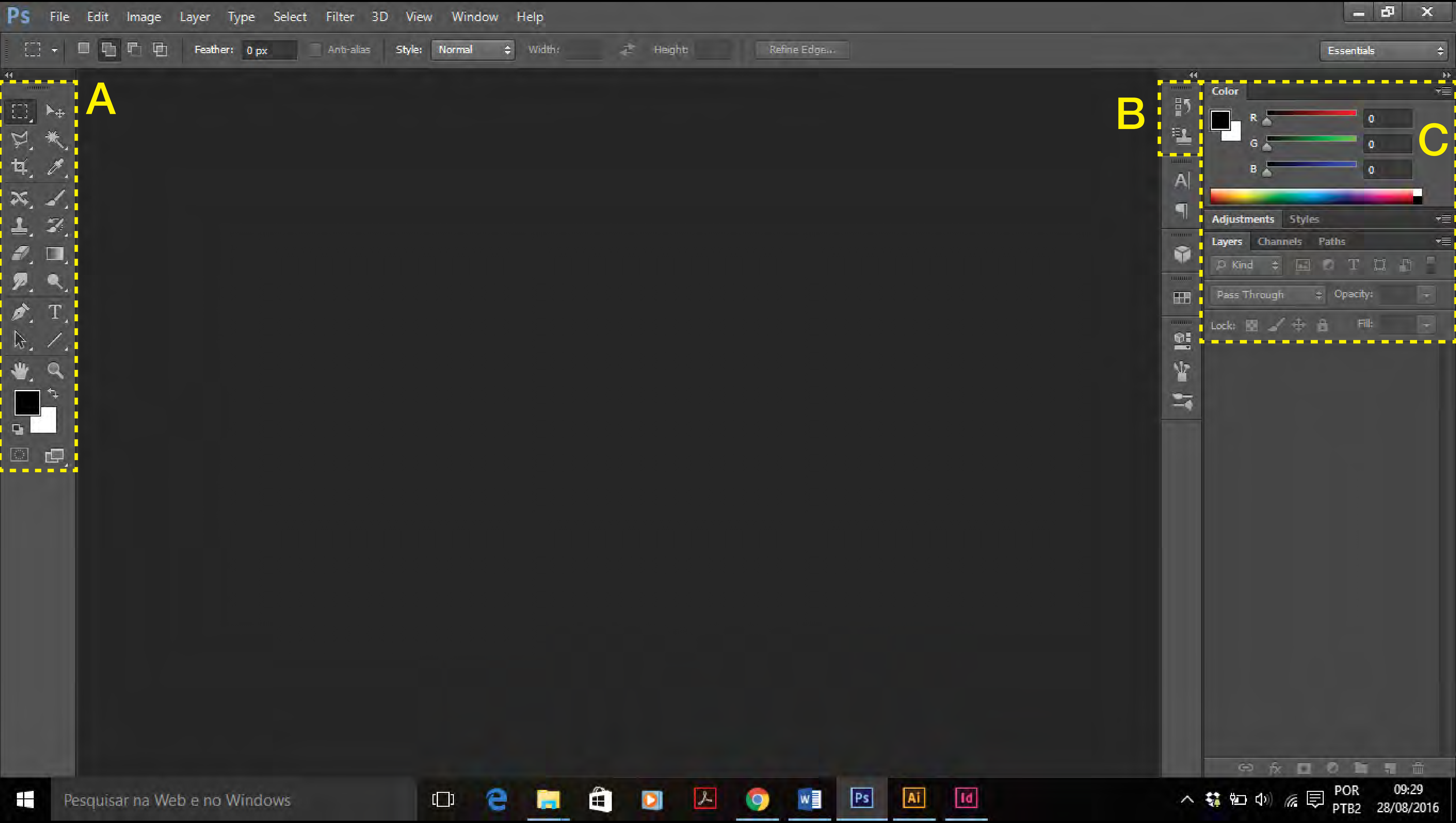
Mad Men / SOM – Beijing/China

Schanzengraben Apartments / Halter AG - Zurich, Switzerland

Arrival / Nookta - Non Commissioned Work






A
B
C
Ps
File
Edit
Image
Layer
Type
Select
Filter
3D
View
Window
Help
Anti-alias
Refine Edge...
Essentials
Color
Adjustments
Styles
Layers
Channels
Paths
Kind
Lock:
Pesquisar na Web e no Windows
POR
PTB2
09:29
28/08/2016

Feather: 0 px

Style: Normal

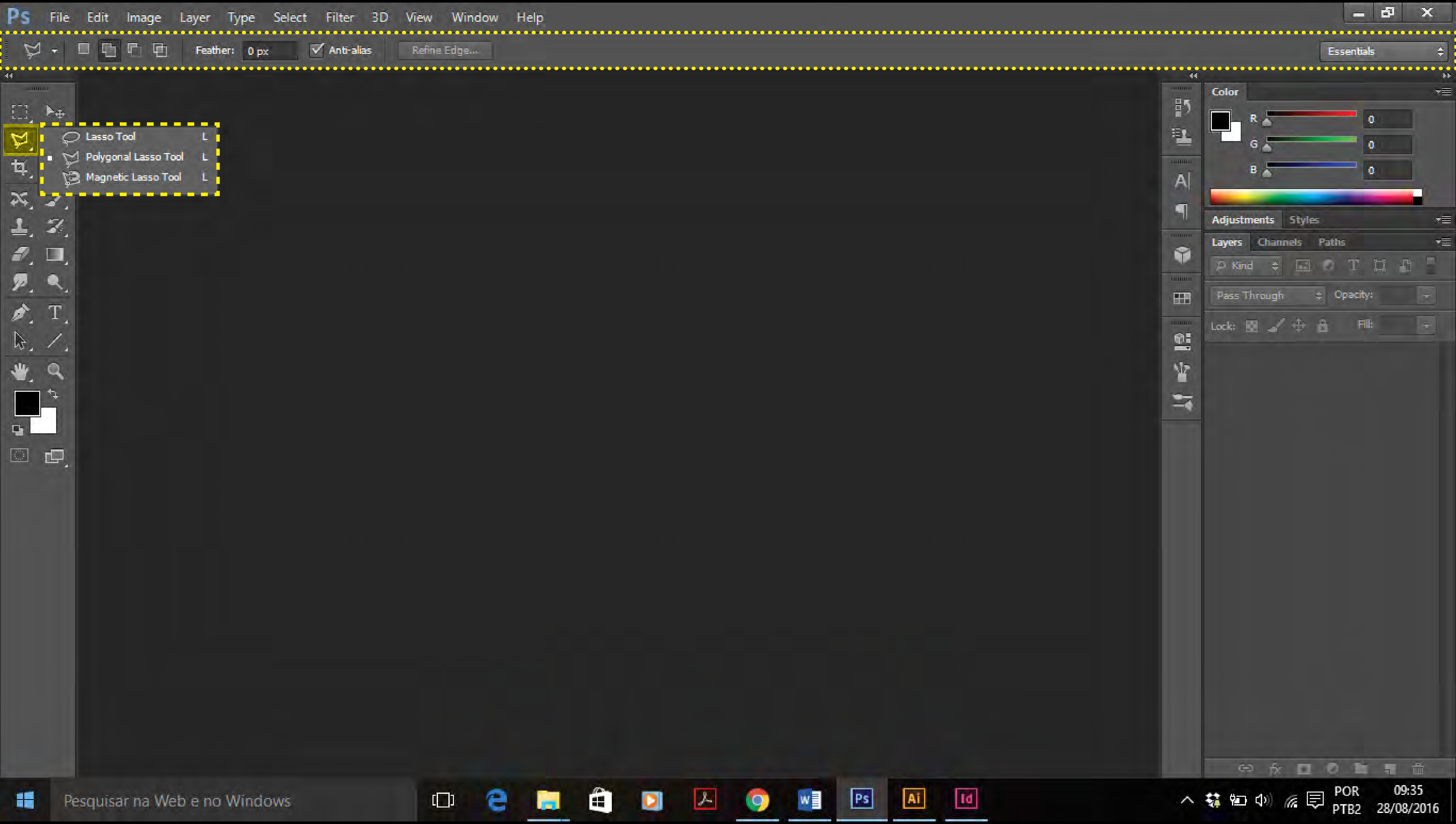
R 0

G 0

B 0

Pass Through

A: Painel de ferramentas ; B: Histórico; C: Painel de Cor, Ajuste e Camadas


Ps
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Select
Filter
3D
View
Window
Help
Refine Edge...
Lasso Tool L
Polygonal Lasso Tool L
Magnetic Lasso Tool L
Color
R
G
B
Adjustments
Styles
Layers
Channels
Paths
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Opacity:
Lock:
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Pesquisar na Web e no Windows
POR
PTB2
09:35
28/08/2016

Feather: 0 px

☑ Anti-alias

Essentials

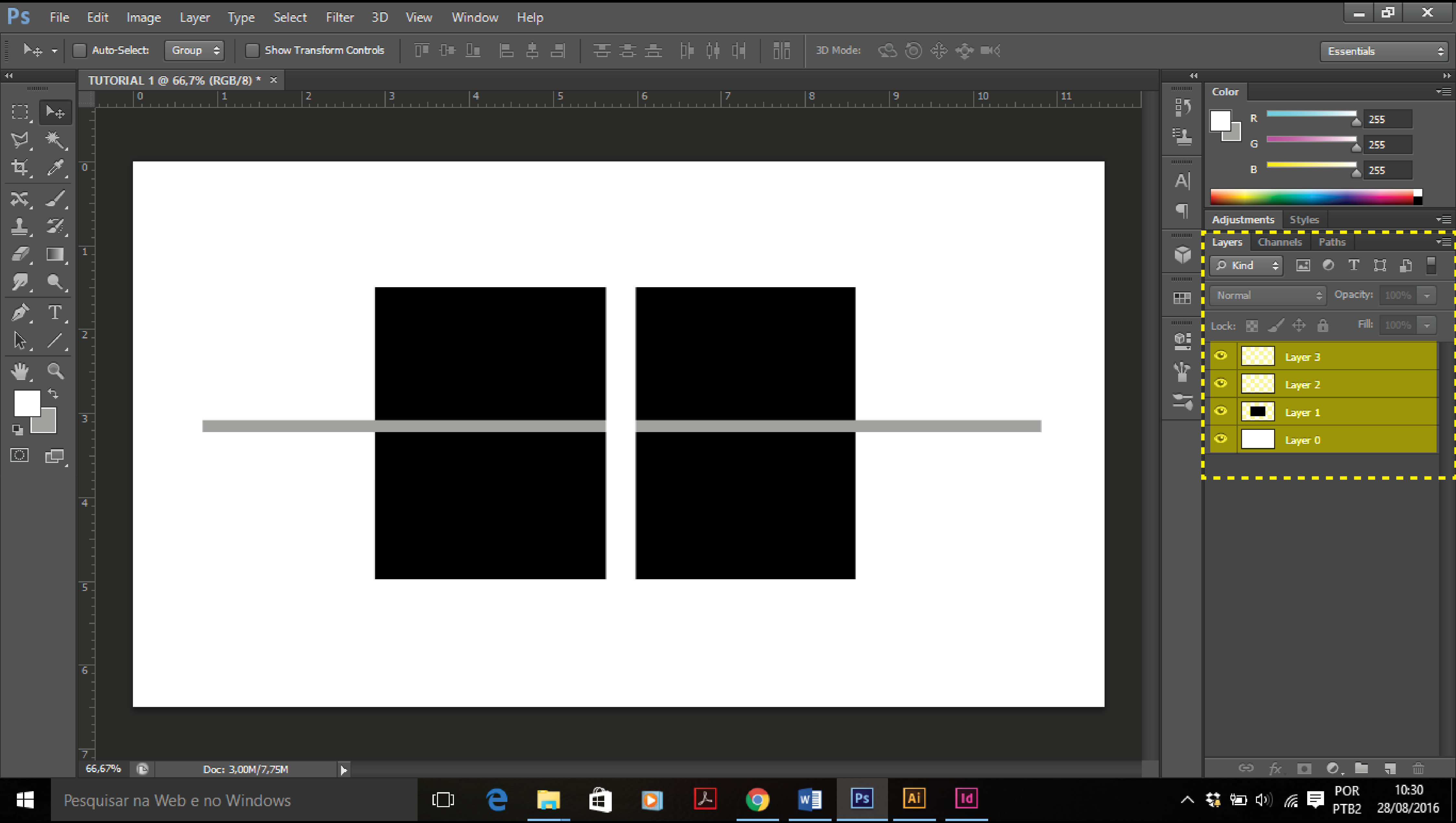
R 0

G 0

B 0

Pass Through

tutorial A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3D
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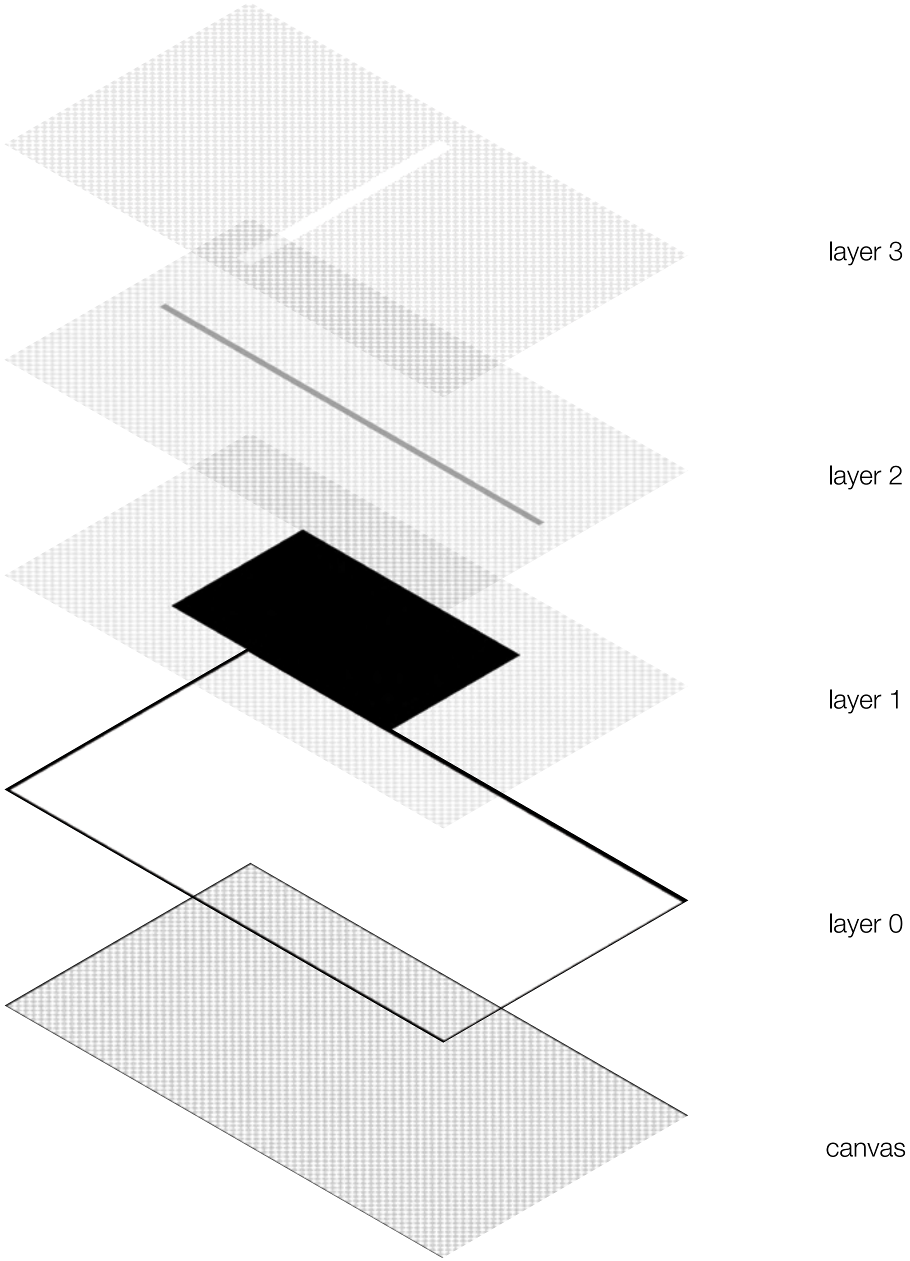
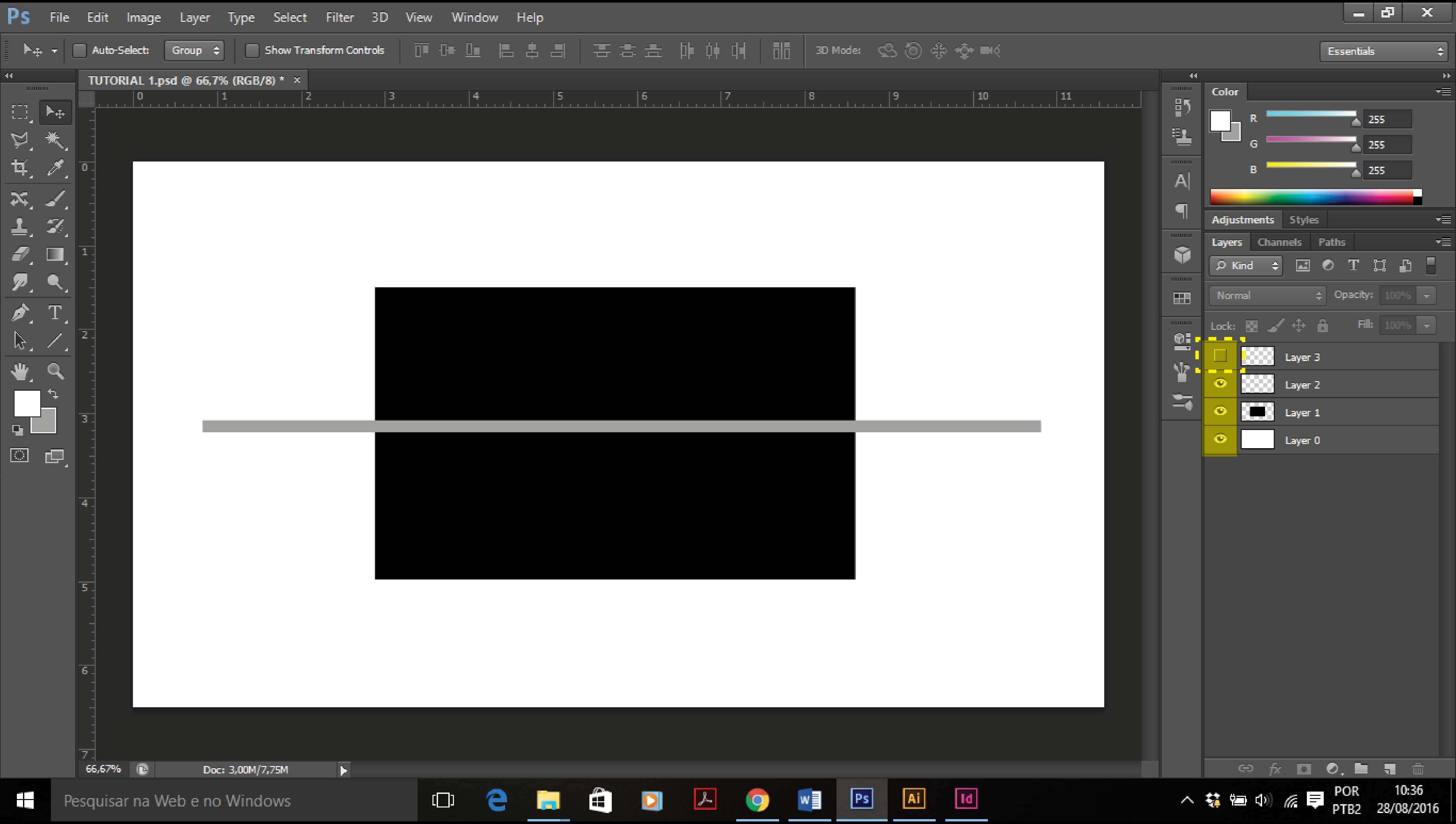
Help
Auto-Select:
Group
Show Transform Controls
3D Mode:
Essentials
TUTORIAL 1 @ 66,7% (RGB/8) *
Color
R 255
G 255
B 255
Adjustments
Styles
Layers
Channels
Paths
Kind
Normal
Opacity: 100%
Lock:
Fill: 100%
Layer 3
Layer 2
Layer 1
Layer 0
66,67%
Doc: 3,00M/7,75M
Pesquisar na Web e no Windows
POR
PTB2
10:30
28/08/2016

tutorial A


layer 3
layer 2
layer 1
layer 0
canvas

tutorial A


Ps
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3D
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Group
Show Transform Controls
3D Mode:
Essentials
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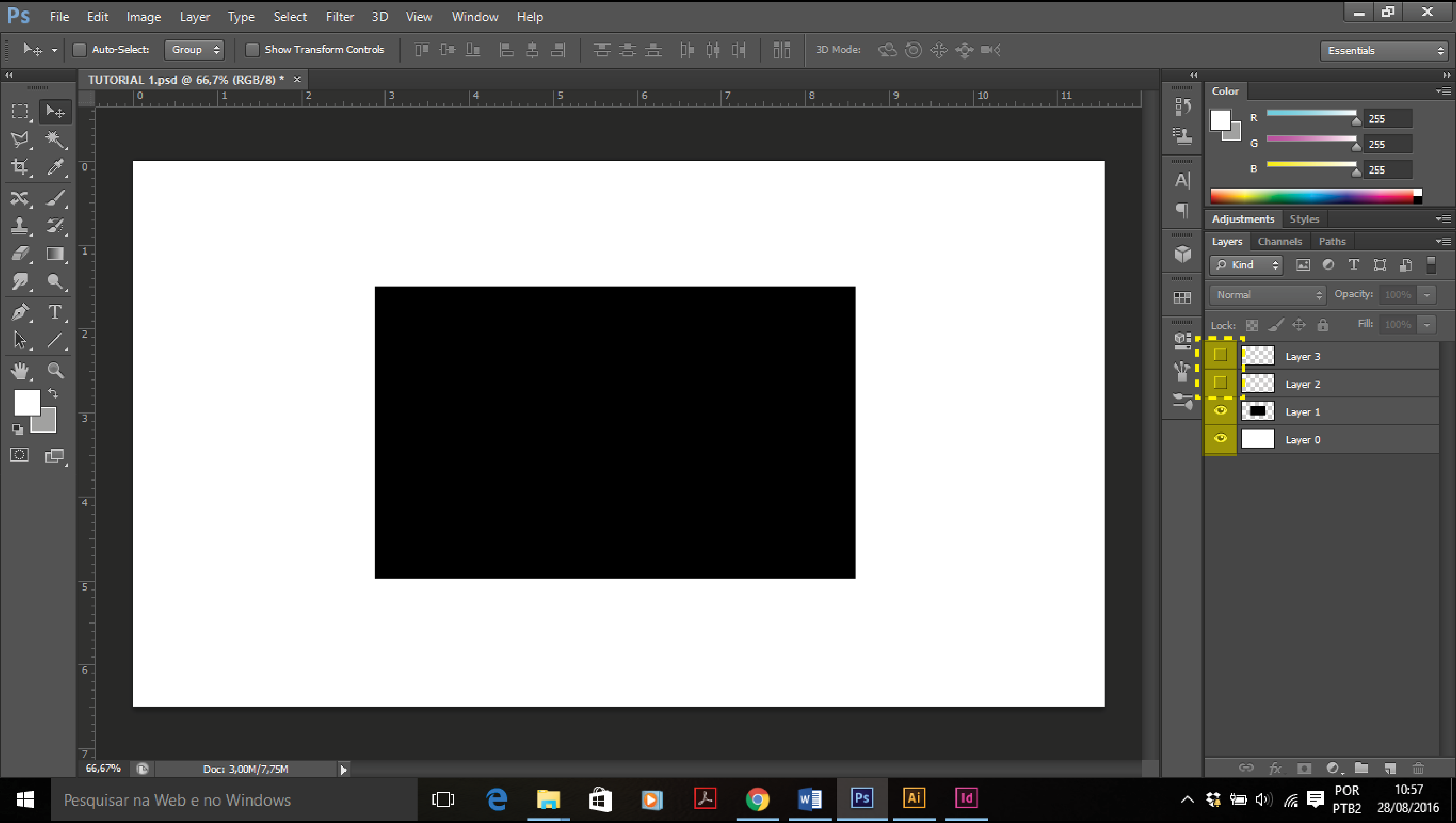
G 255
B 255
Adjustments
Styles
Layers
Channels
Paths
Kind
Normal
Opacity: 100%
Lock:
Fill: 100%
Layer 3
Layer 2
Layer 1
Layer 0
66,67%
Doc: 3,00M/7,75M
Pesquisar na Web e no Windows
POR
PTB2
10:36
28/08/2016

tutorial A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Show Transform Controls
3D Mode:
Essentials
TUTORIAL 1.psd @ 66,7% (RGB/8) *
Color
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Adjustments
Styles
Layers
Channels
Paths
Kind
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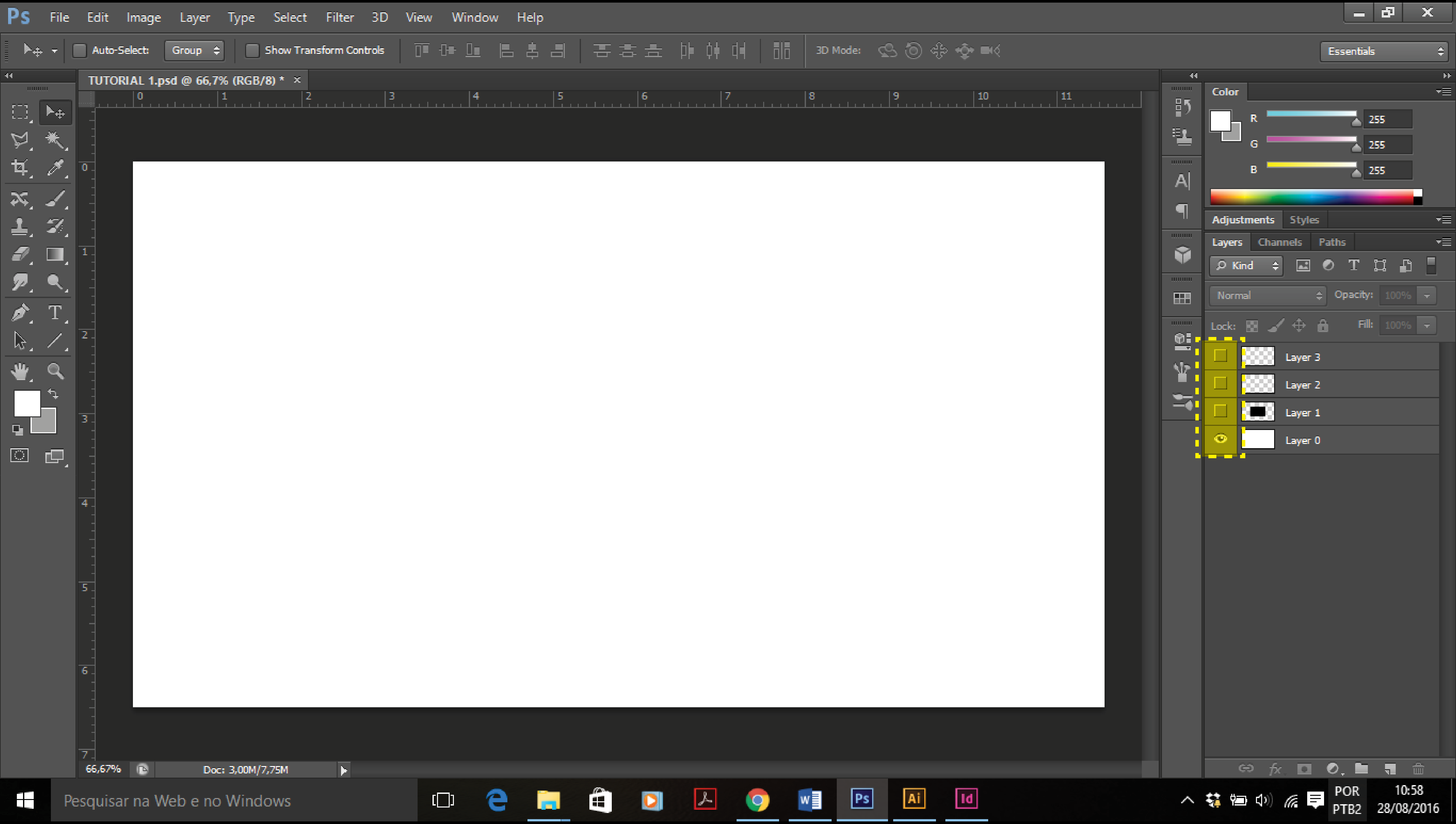
Opacity:
100%
Lock:
Fill:
100%
Layer 3
Layer 2
Layer 1
Layer 0
66,67%
Doc: 3,00M/7,75M
Pesquisar na Web e no Windows
POR
PTB2
10:57
28/08/2016

tutorial A


Ps
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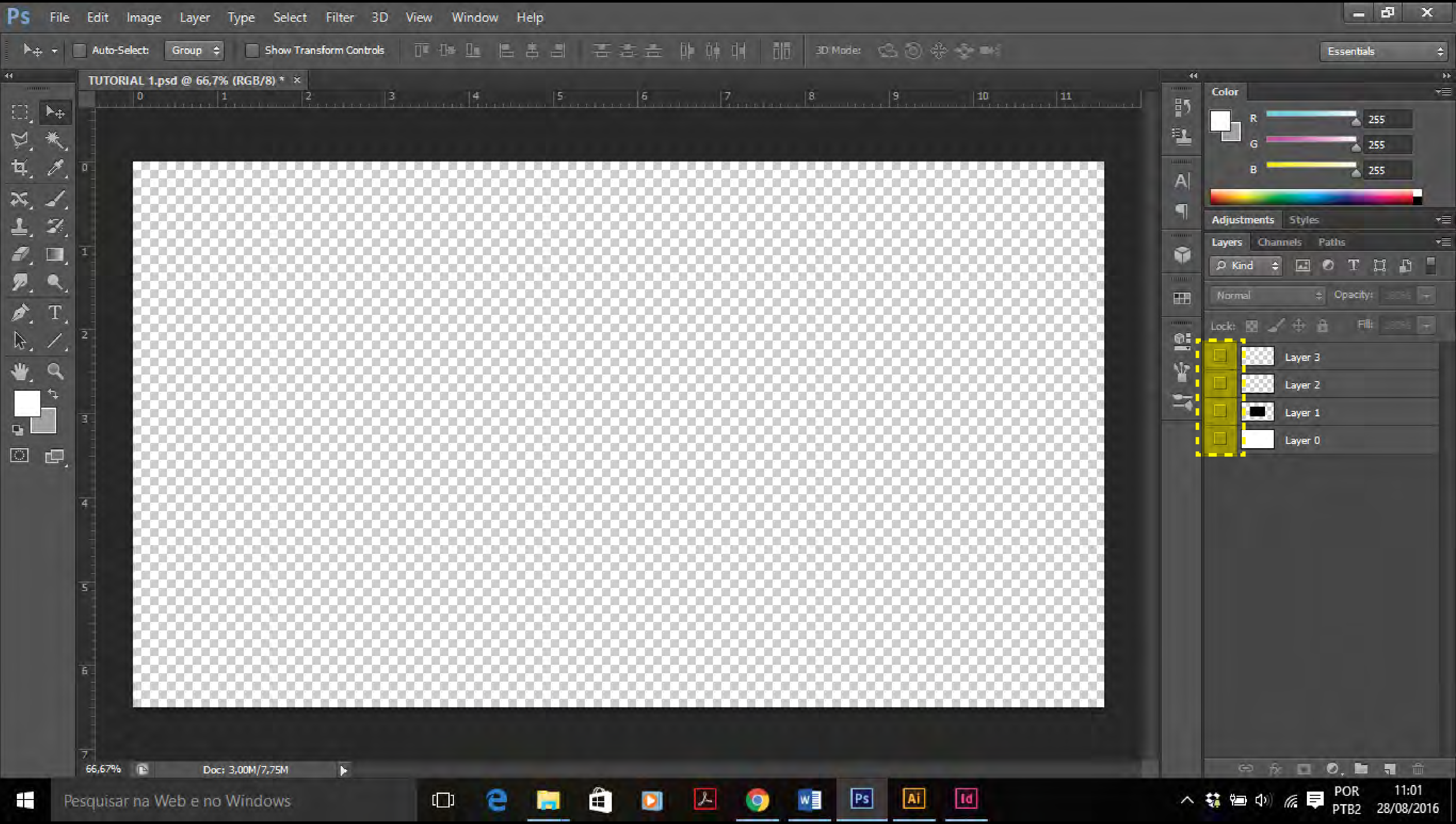
Window
Help
Auto-Select:
Group
Show Transform Controls
3D Mode:
Essentials
TUTORIAL 1.psd @ 66,7% (RGB/8) *
Color
R 255
G 255
B 255
Adjustments
Styles
Layers
Channels
Paths
Kind
Normal
Opacity: 100%
Lock:
Fill: 100%
Layer 3
Layer 2
Layer 1
Layer 0
66,67%
Doc: 3,00M/7,75M
Pesquisar na Web e no Windows
POR
PTB2
10:58
28/08/2016

tutorial A


Ps
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3D
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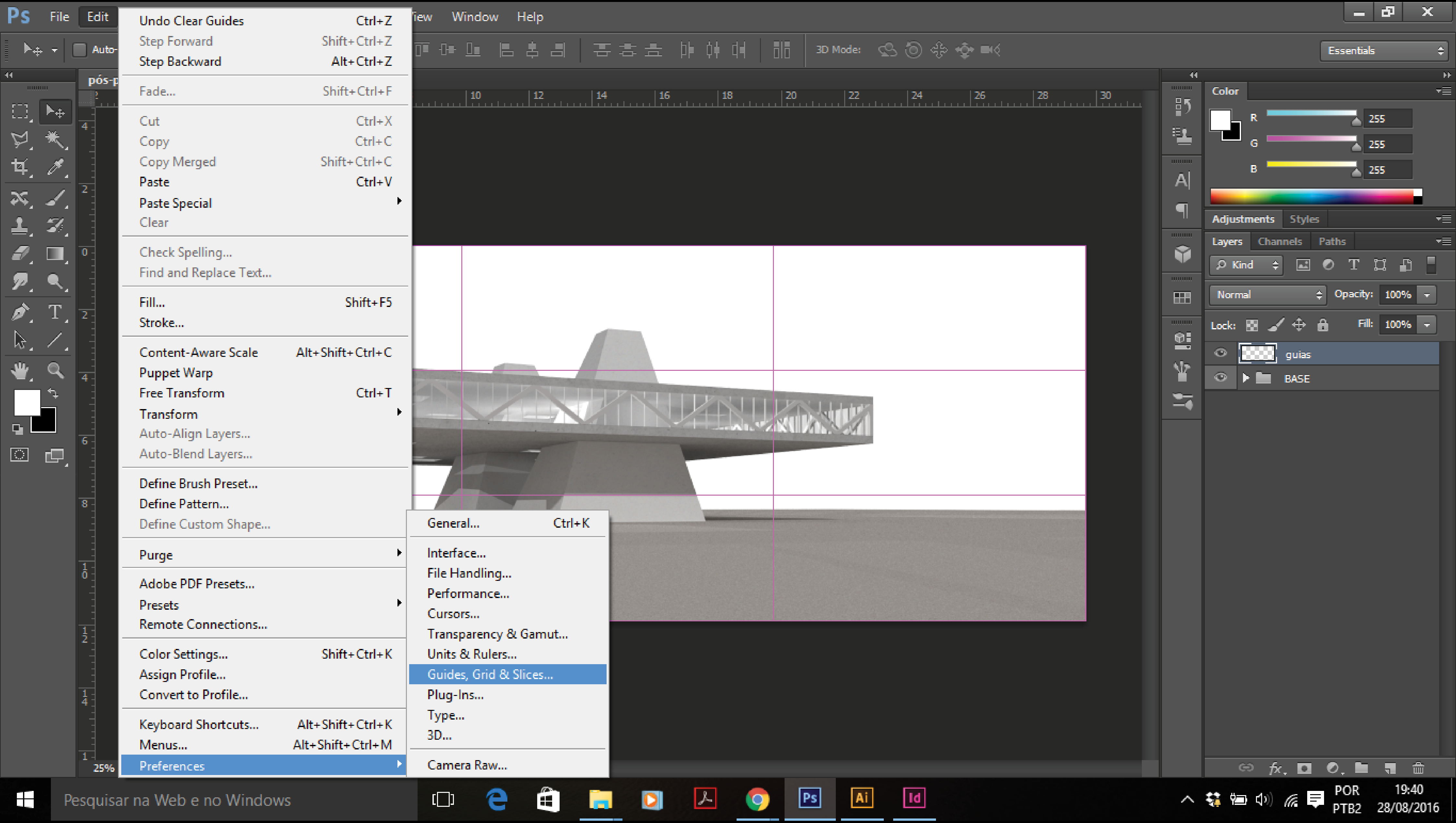
Help
Auto-Select:
Group
Show Transform Controls
3D Mode:
Essentials
TUTORIAL 1.psd @ 66,7% (RGB/8) *
Color
R 255
G 255
B 255
Adjustments
Styles
Layers
Channels
Paths
Kind
Normal
Opacity:
Lock:
Fill:
Layer 3
Layer 2
Layer 1
Layer 0
66,67%
Doc: 3,00M/7,75M
Pesquisar na Web e no Windows
POR
PTB2
11:01
28/08/2016

tutorial A


Ps
File
Edit
View
Window
Help
Undo Clear Guides Ctrl+Z
Step Forward Shift+Ctrl+Z
Step Backward Alt+Ctrl+Z
Fade... Shift+Ctrl+F
Cut Ctrl+X
Copy Ctrl+C
Copy Merged Shift+Ctrl+C
Paste Ctrl+V
Paste Special
Clear
Check Spelling...
Find and Replace Text...
Fill... Shift+F5
Stroke...
Content-Aware Scale Alt+Shift+Ctrl+C
Puppet Warp
Free Transform Ctrl+T
Transform
Auto-Align Layers...
Auto-Blend Layers...
Define Brush Preset...
Define Pattern...
Define Custom Shape...
Purge
Adobe PDF Presets...
Presets
Remote Connections...
Color Settings... Shift+Ctrl+K
Assign Profile...
Convert to Profile...
Keyboard Shortcuts... Alt+Shift+Ctrl+K
Menus... Alt+Shift+Ctrl+M
Preferences
General... Ctrl+K
Interface...
File Handling...
Performance...
Cursors...
Transparency & Gamut...
Units & Rulers...
Guides, Grid & Slices...
Plug-Ins...
Type...
3D...
Camera Raw...
Auto-
3D Mode:
Essentials
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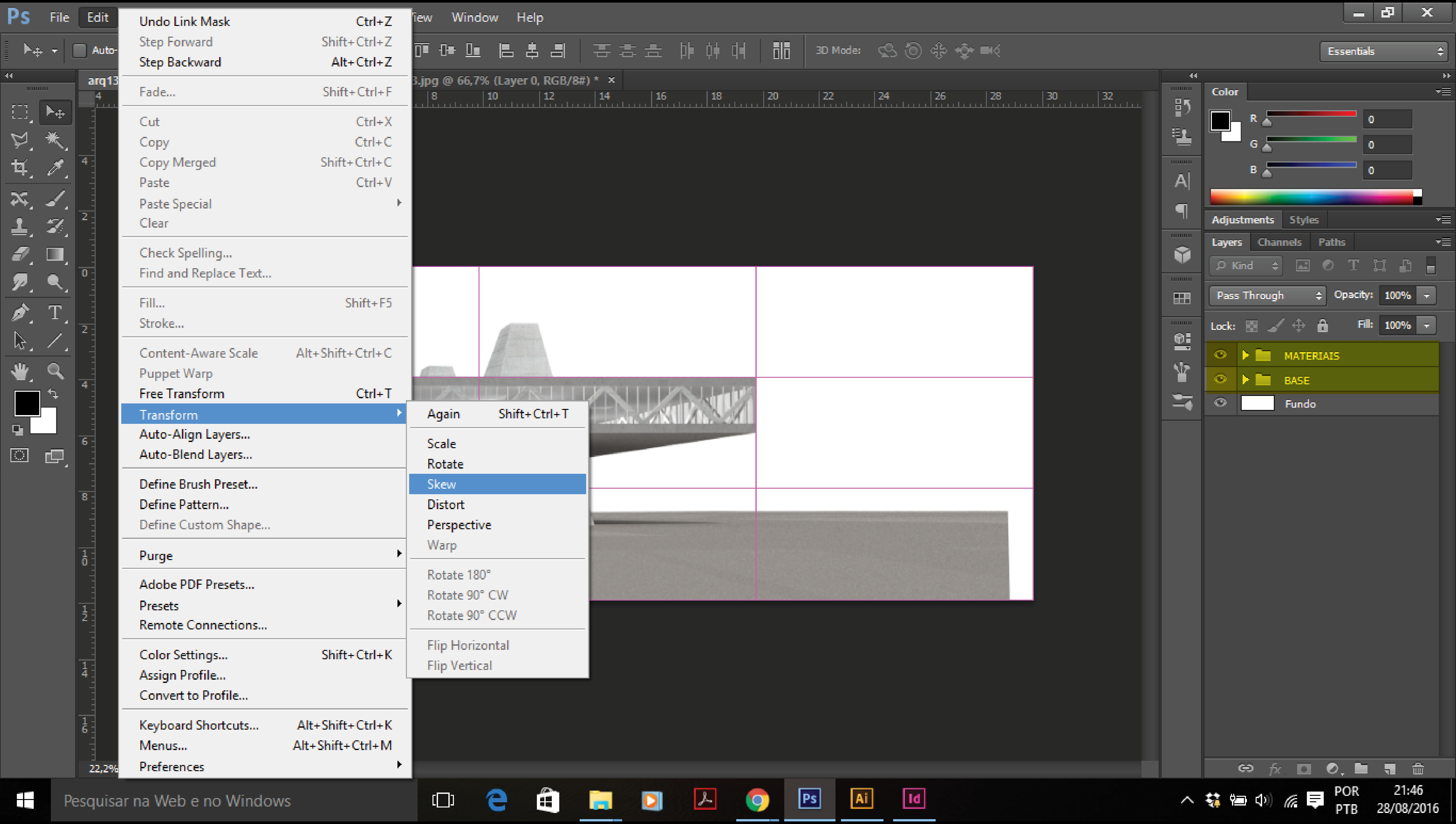
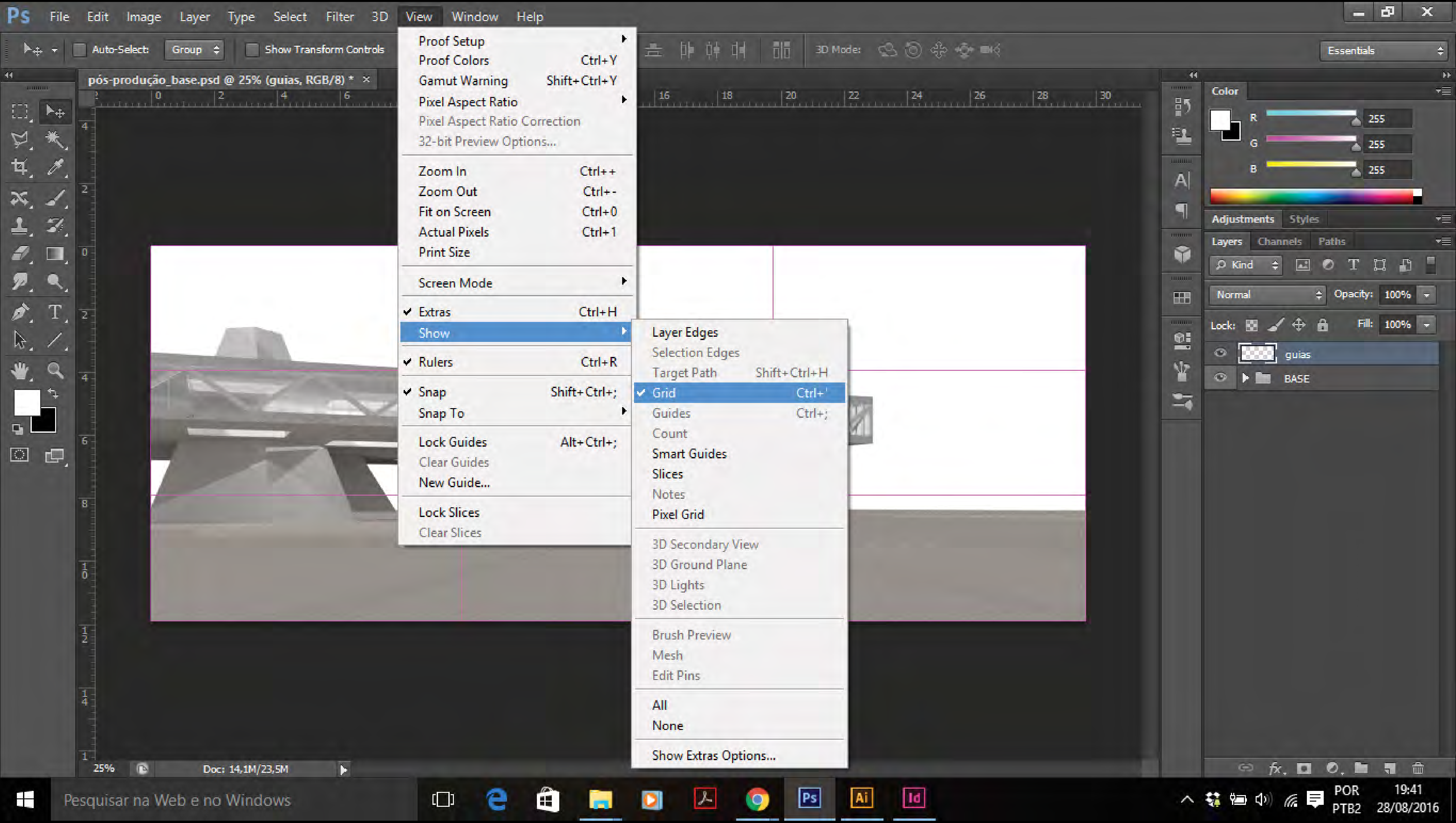
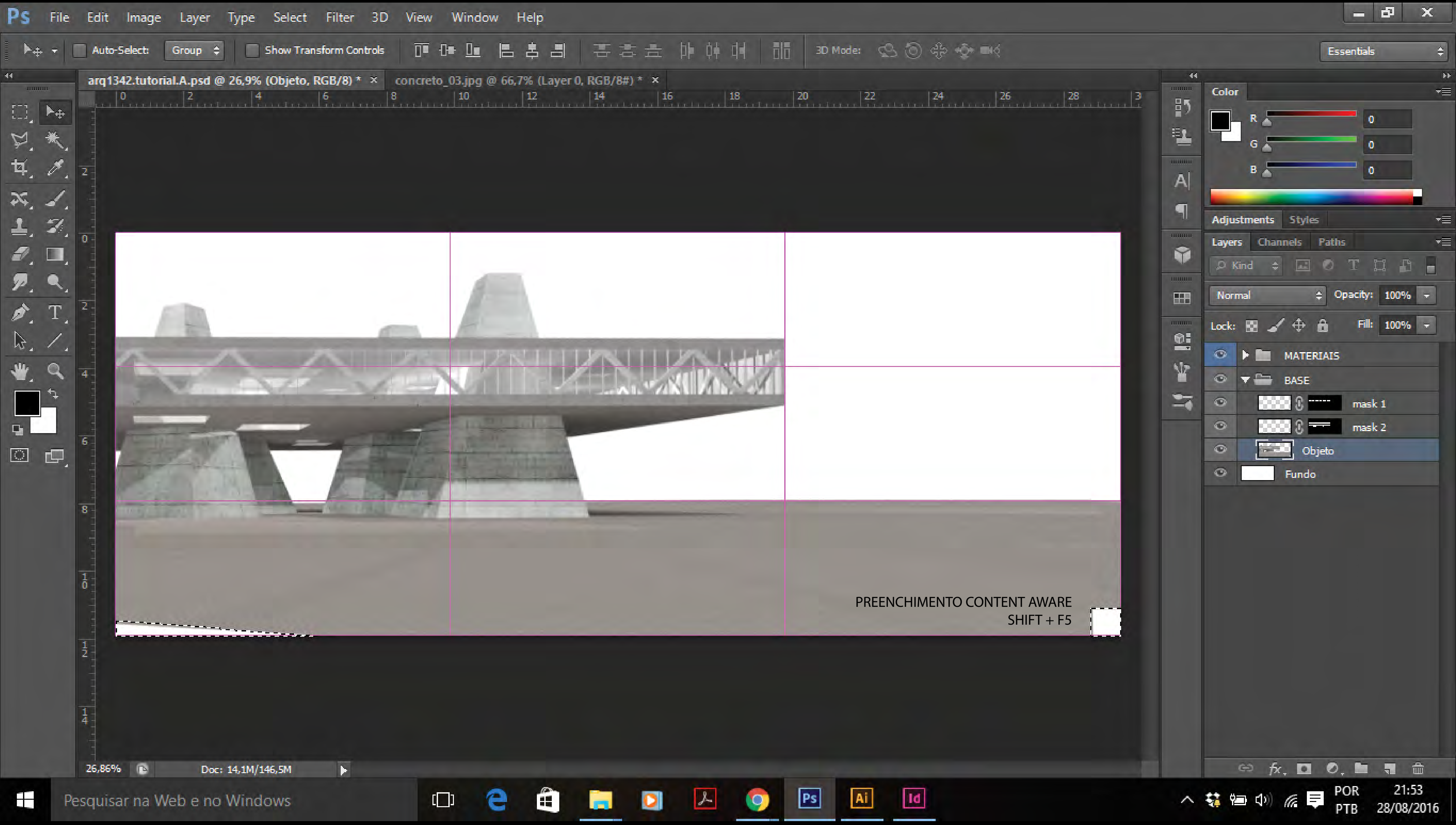
R 255
G 255
B 255
Adjustments
Styles
Layers
Channels
Paths
Kind
Normal
Opacity: 100%
Lock:
Fill: 100%
guias
BASE
25%
Pesquisar na Web e no Windows
POR
PTB2
19:40
28/08/2016


Ps
File
Edit
View
Window
Help
Undo Link Mask Ctrl+Z
Step Forward Shift+Ctrl+Z
Step Backward Alt+Ctrl+Z
Fade... Shift+Ctrl+F
Cut Ctrl+X
Copy Ctrl+C
Copy Merged Shift+Ctrl+C
Paste Ctrl+V
Paste Special
Clear
Check Spelling...
Find and Replace Text...
Fill... Shift+F5
Stroke...
Content-Aware Scale Alt+Shift+Ctrl+C
Puppet Warp
Free Transform Ctrl+T
Transform
Auto-Align Layers...
Auto-Blend Layers...
Define Brush Preset...
Define Pattern...
Define Custom Shape...
Purge
Adobe PDF Presets...
Presets
Remote Connections...
Color Settings... Shift+Ctrl+K
Assign Profile...
Convert to Profile...
Keyboard Shortcuts... Alt+Shift+Ctrl+K
Menus... Alt+Shift+Ctrl+M
Preferences
Again Shift+Ctrl+T
Scale
Rotate
Skew
Distort
Perspective
Warp
Rotate 180°
Rotate 90° CW
Rotate 90° CCW
Flip Horizontal
Flip Vertical
Auto-
3D Mode:
Essentials
arq13
3.jpg @ 66,7% (Layer 0, RGB/8#) *
Color
R 0
G 0
B 0
Adjustments
Styles
Layers
Channels
Paths
Kind
Pass Through
Opacity: 100%
Lock:
Fill: 100%
MATERIAIS
BASE
Fundo
22,2%
Pesquisar na Web e no Windows
POR
PTB
21:46
28/08/2016

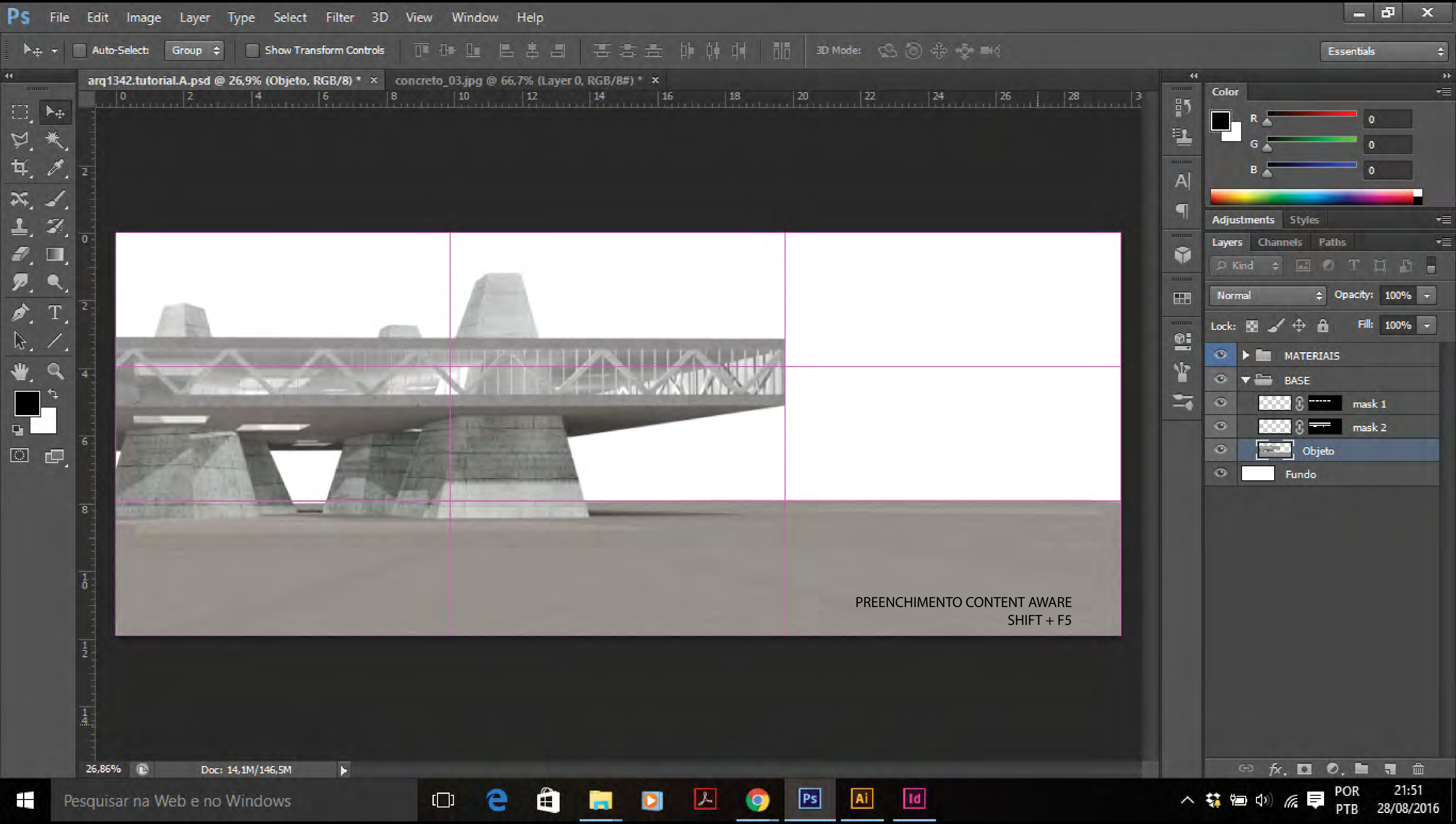
tutorial A


Ps File Edit Image Layer Type Select Filter 3D View Window Help
Auto-Select: Group Show Transform Controls 3D Mode: Essentials
pós-produção_base.psd @ 25% (guias, RGB/8) *
Proof Setup
Proof Colors Ctrl+Y
Gamut Warning Shift+Ctrl+Y
Pixel Aspect Ratio
Pixel Aspect Ratio Correction
32-bit Preview Options...
Zoom In Ctrl++
Zoom Out Ctrl+-
Fit on Screen Ctrl+0
Actual Pixels Ctrl+1
Print Size
Screen Mode
✓ Extras Ctrl+H
Show
✓ Rulers Ctrl+R
✓ Snap Shift+Ctrl+;
Snap To
Lock Guides Alt+Ctrl+;
Clear Guides
New Guide...
Lock Slices
Clear Slices
Layer Edges
Selection Edges
Target Path Shift+Ctrl+H
✓ Grid Ctrl+'
Guides Ctrl+;
Count
Smart Guides
Slices
Notes
Pixel Grid
3D Secondary View
3D Ground Plane
3D Lights
3D Selection
Brush Preview
Mesh
Edit Pins
All
None
Show Extras Options...
Color R 255 G 255 B 255
Adjustments Styles
Layers Channels Paths
Kind
Normal Opacity: 100%
Lock: Fill: 100%
guias
BASE
25% Doc: 14,1M/23,5M
Pesquisar na Web e no Windows
POR PTB2 19:41 28/08/2016

tutorial A


Ps
File
Edit
Image
Layer
Type
Select
Filter
3D
View
Window
Help
Auto-Select:
Group
Show Transform Controls
3D Mode:
Essentials
arq1342.tutorial.A.psd @ 26,9% (Objeto, RGB/8) *
concreto_03.jpg @ 66,7% (Layer 0, RGB/8#) *
Color
R 0
G 0
B 0
Adjustments
Styles
Layers
Channels
Paths
Kind
Normal
Opacity: 100%
Lock:
Fill: 100%
MATERIAIS
BASE
mask 1
mask 2
Objeto
Fundo
26,86%
Doc: 14,1M/146,5M
Pesquisar na Web e no Windows
POR
PTB
21:53
28/08/2016

PREENCHIMENTO CONTENT AWARE
SHIFT + F5


File
Edit
Image
Layer
Type
Select
Filter
3D
View
Window
Help
Auto-Select:
Group
Show Transform Controls
3D Mode:
Essentials
arq1342.tutorial.A.psd @ 26,9% (Objeto, RGB/8) *
concreto_03.jpg @ 66,7% (Layer 0, RGB/8#) *
Color
R 0
G 0
B 0
Adjustments
Styles
Layers
Channels
Paths
Kind
Normal
Opacity: 100%
Lock:
Fill: 100%
MATERIAIS
BASE
mask 1
mask 2
Objeto
Fundo
26,86%
Doc: 14,1M/146,5M
Pesquisar na Web e no Windows
POR
PTB
21:51
28/08/2016

PREENCHIMENTO CONTENT AWARE
SHIFT + F5

LINKS INTERESSANTES:

https://helpx.adobe.com/photoshop/using/tools.html

https://helpx.adobe.com/br/photoshop/using/workspace-basics.html

https://helpx.adobe.com/photoshop/using/layer-basics.html

http://waldobronchart.github.io/ShortcutMapper/#AdobePhotoshop