

Assignment 2

063-0610-00L The Digital in Architecture

Spring Semester 2020

Gramazio Kohler Research, ETH Zürich

Due: Mo, 02.03.2019 23:59

Task 1

In Rhino, design and model an interesting brick wall – or in general a composition of brick objects stacked in layers. Use at least 50 bricks (standard size of 25x12x6cm), but not more than 100. Do not use Grasshopper. Record the time you needed to complete this task. Please use the template Rhino file provided (file units = meters).

To submit:

- a Rhino file with your design. Rename your file to include your name and the time you needed to build it.
(e.g. **Assignment2_Mustermann_Chris_00h37m.3dm**)
 - a screenshot (3000x1500 pixels, *.png format) of your design, using shaded view and the preset perspective setting („Template view“, see instructions below). Name the file same as the Rhino file.
(e.g. **Assignment2_Mustermann_Chris_00h37m.png**)
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Hints:

Viewport navigation:

right button	= orbit
right button + shift	= pan
scroll	= zoom
left button	= select
left button drag right	= select exclusive
left button drag left	= select inclusive
press+hold shift	= force orthogonal
press tab	= lock direction

Useful CommandLine commands:

Box (try different constructors)

Curve / InterpCrv / PointsOn or F10

Line > Tangent > PointOnCurve > FromFirstPoint

R0,2,3 or r0,2,3 = relative point

CPlane > World > Top

Move

Rotate / Rotate3D

Scale / Scale1D / Scale2D

Copy

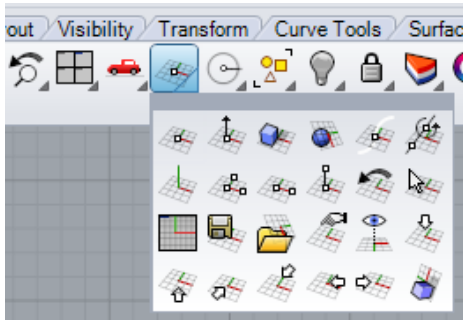
Array / ArrayPolar

Distance

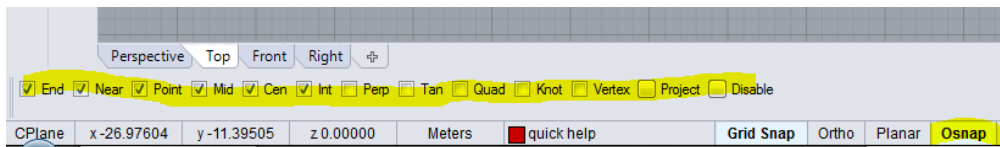
Useful tools from Main Toolbar:



Coordinate System tools (CPlane):



Turn on/off object snapping, grid snap, smart track and gumball:



How to set a preset view in a viewport:

Right-click on viewport's name > **Set View** > **Template view**

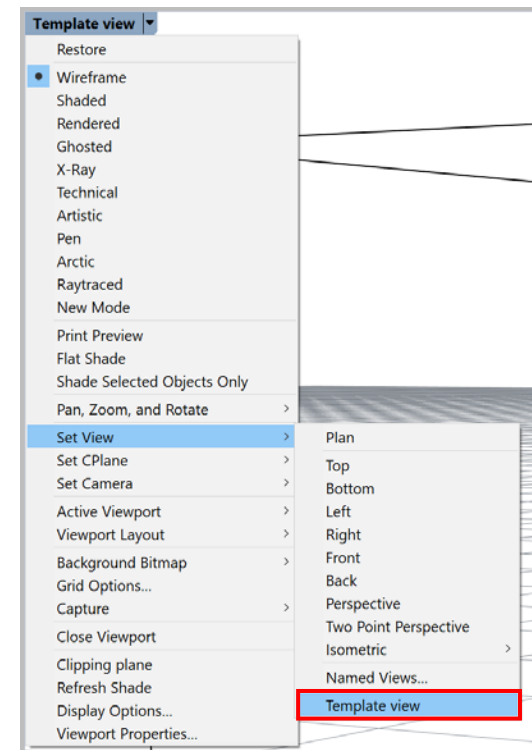
Redo these steps if you changed the perspective while working, before taking the screenshot.

How to make a screenshot:

In CommandLine, type **ViewCaptureToFile**

Click on **Browse** or type **b** to open a file browser window to input a file name

Change width to **3000** and height to **1500**



Screenshot style guide

