



BIMEQUITY



**BIM**EQUITY

**BIM:** /bɪm/ Building Information Modelling  
**Equity:** /'ɛkwɪti/ Value

# HVAD ER BIM?

A photograph of a modern building with a colorful facade. The building features a grid of windows with vertical stripes in red, white, and blue. To the right, there is a section with a large glass facade. The sky is a clear, light blue.



HEMMELIGHEDEN:

**OBJEKTERNE**




### Window Default Settings

Window 21 Default

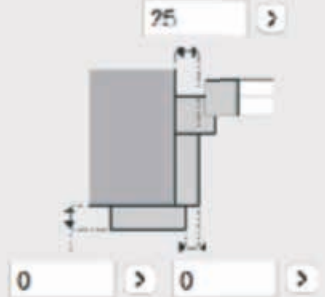
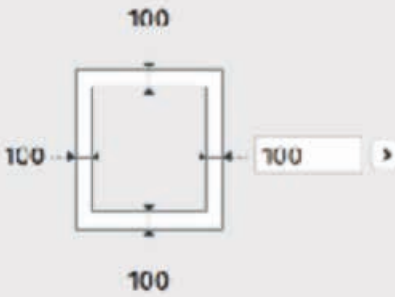
**PREVIEW AND POSITIONING**

900  
1500  
Anchors: Sill to Story 0  
1000  
Reveal to Wall Face  
115



**BASIC WINDOW SETTINGS**

Casing Inside...  
 Inside Casing Simple  
 Uniform Casing Widths  
 Cover Inner Wall Surface



**FLOOR PLAN AND SECTION**  
**DIMENSION MARKER**  
**MARKER CUSTOM SETTINGS**  
**CLASSIFICATION AND PROPERTIES**

Cancel OK

**Library Structure:**

- Embedded Library
- Linked Libraries
  - ArchICAD 20 DK Bibliotek v1.lcf
  - ARCHICAD Library 21
    - 1.2 Doors 21
    - 1.3 Windows 21
      - Basic Windows 21
      - Bay and Bow Windows 21
      - Empty Window Openings 21
      - Historic Windows 21
      - Single Double Hung Windows 21
      - Sliding Windows 21
      - Special Windows 21
      - Storefronts 21
      - 1.4 Building Structures 21

**Window Selection:**

- Double Sash Window 21
- Double Window 21
- Horizontal Multi-Sash Window 21
- Triple Window 21
- Empty Opening





Window Default Settings

Window 21

### Manage IFC Properties

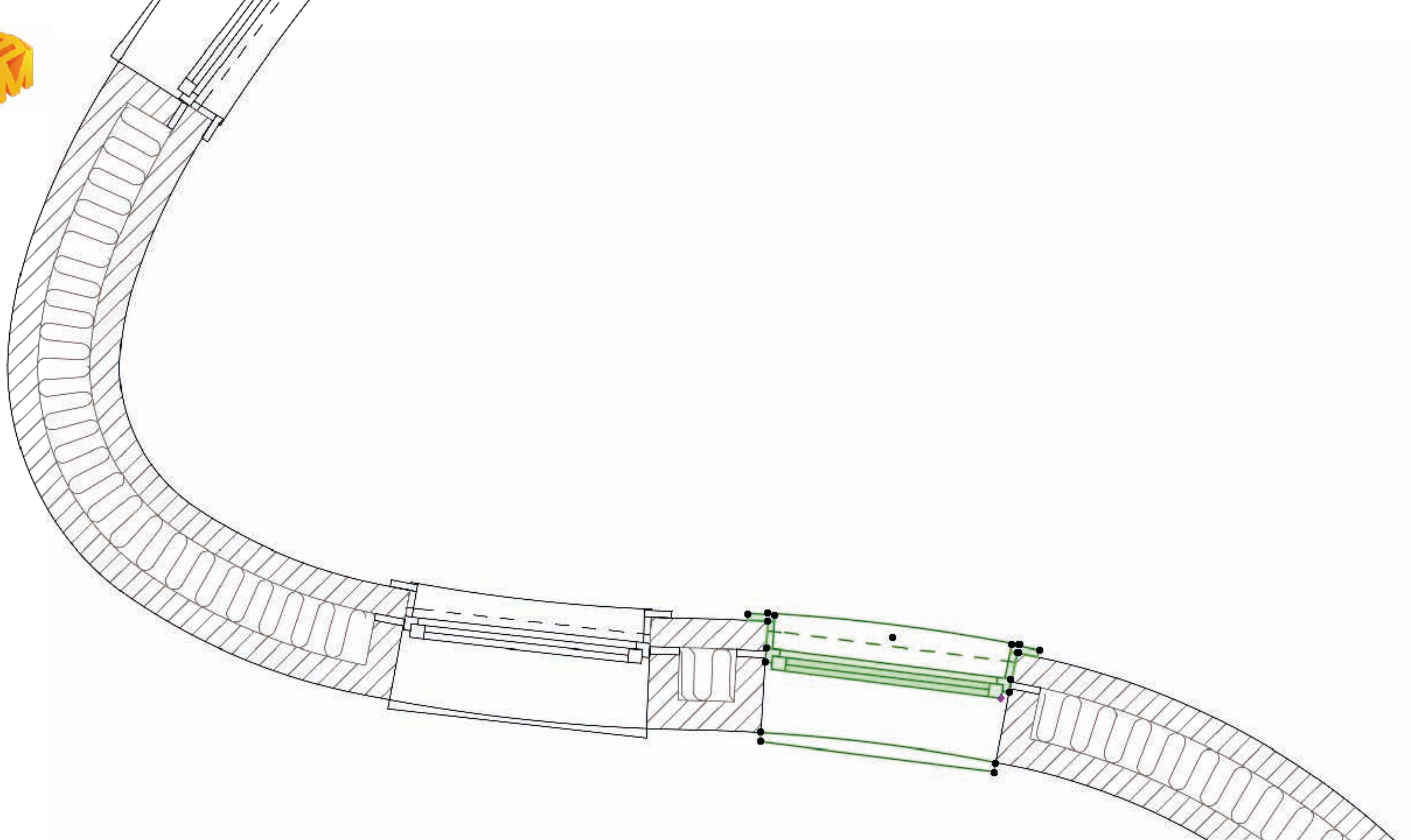
Default

| Name     | Value     | Type |
|----------|-----------|------|
| IFC Type | IfcWindow |      |

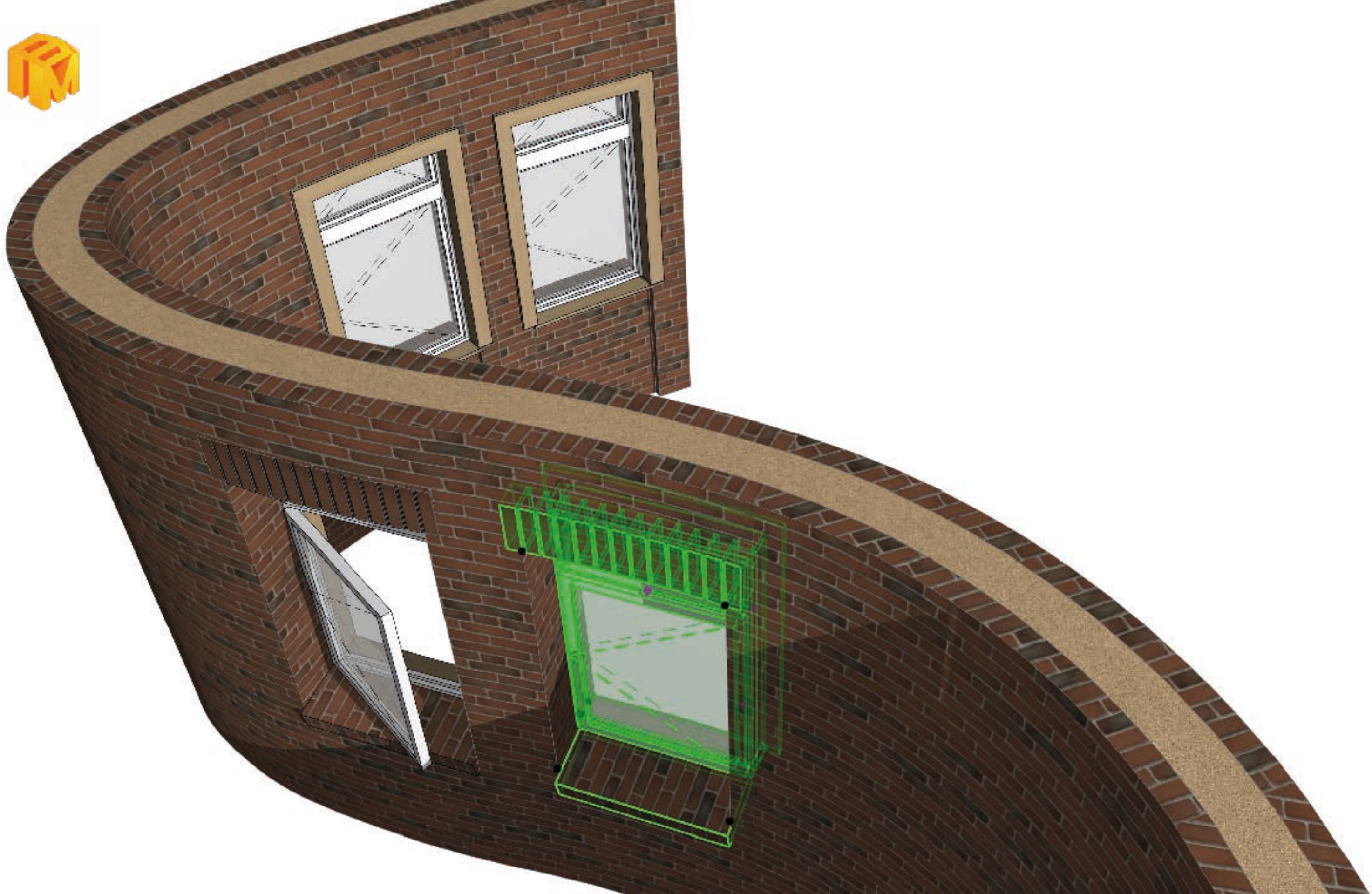
- Attributes
- AC\_Pset\_RenovationAndPhasing
- Pset\_DoorWindowGlazingType
- Pset\_DoorWindowShadingType
- Pset\_Draughting
- Pset\_ElementShading
- Pset\_FireRatingProperties
- Pset\_ManufacturerOccurrence
- Pset\_ManufacturerTypeInfo
- Pset\_PackingInstructions
- Pset\_ProductRequirements
- Pset\_QuantityTakeOff
- Pset\_Reliability
- Pset\_Risk
- Pset\_Warranty
- Pset\_WindowCommon**
  - AcousticRating IfcLabel
  - FireRating IfcLabel
  - GlazingAreaFraction IfcPositiveRatioArea
  - Infiltration IfcVolumeFlowRate
  - IsExternal TRUE IfcBoolean
  - Reference IfcIdentifier
  - SecurityRating IfcLabel
  - SmokeStop IfcBoolean
  - ThermalTransmittance IfcThermalTransmittan

New... Apply Predefined Rule... Cancel OK

**UDFYLDES TIL  
DRIFT OG VEDLIGEHOLD**











# PILOT PROJEKTER





# KONKURRENCEFORSLAG





# KONKURRENCEFORSLAG

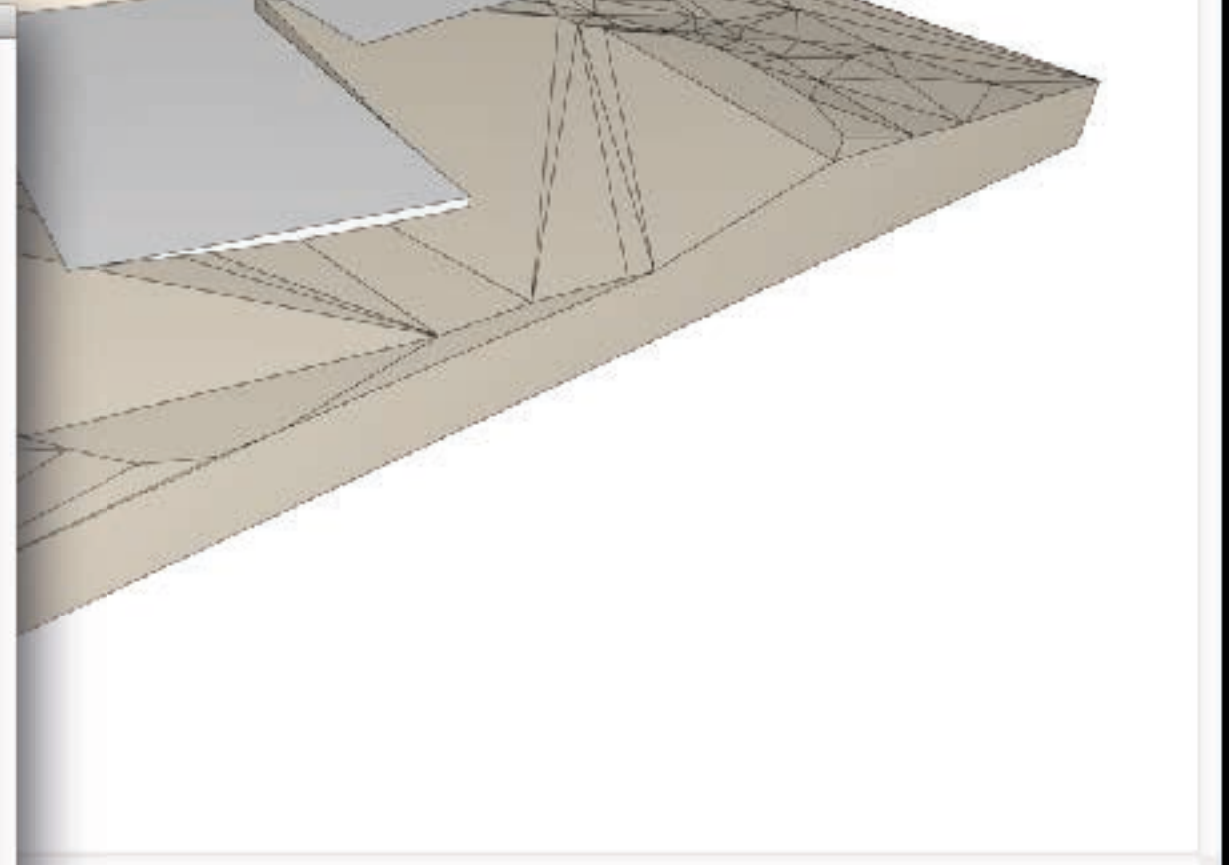
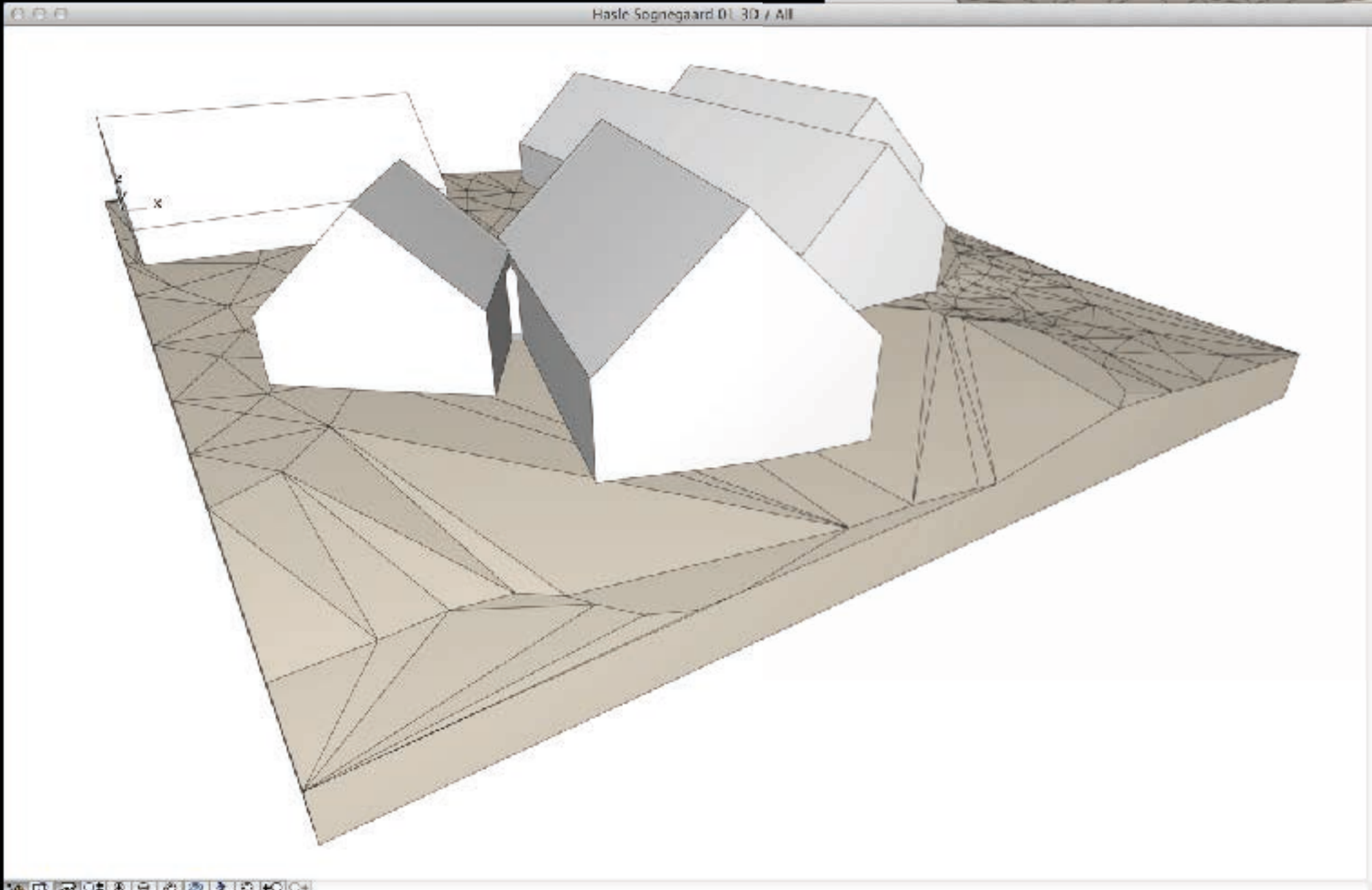






# WHITEPAPER

AUGUST 2014

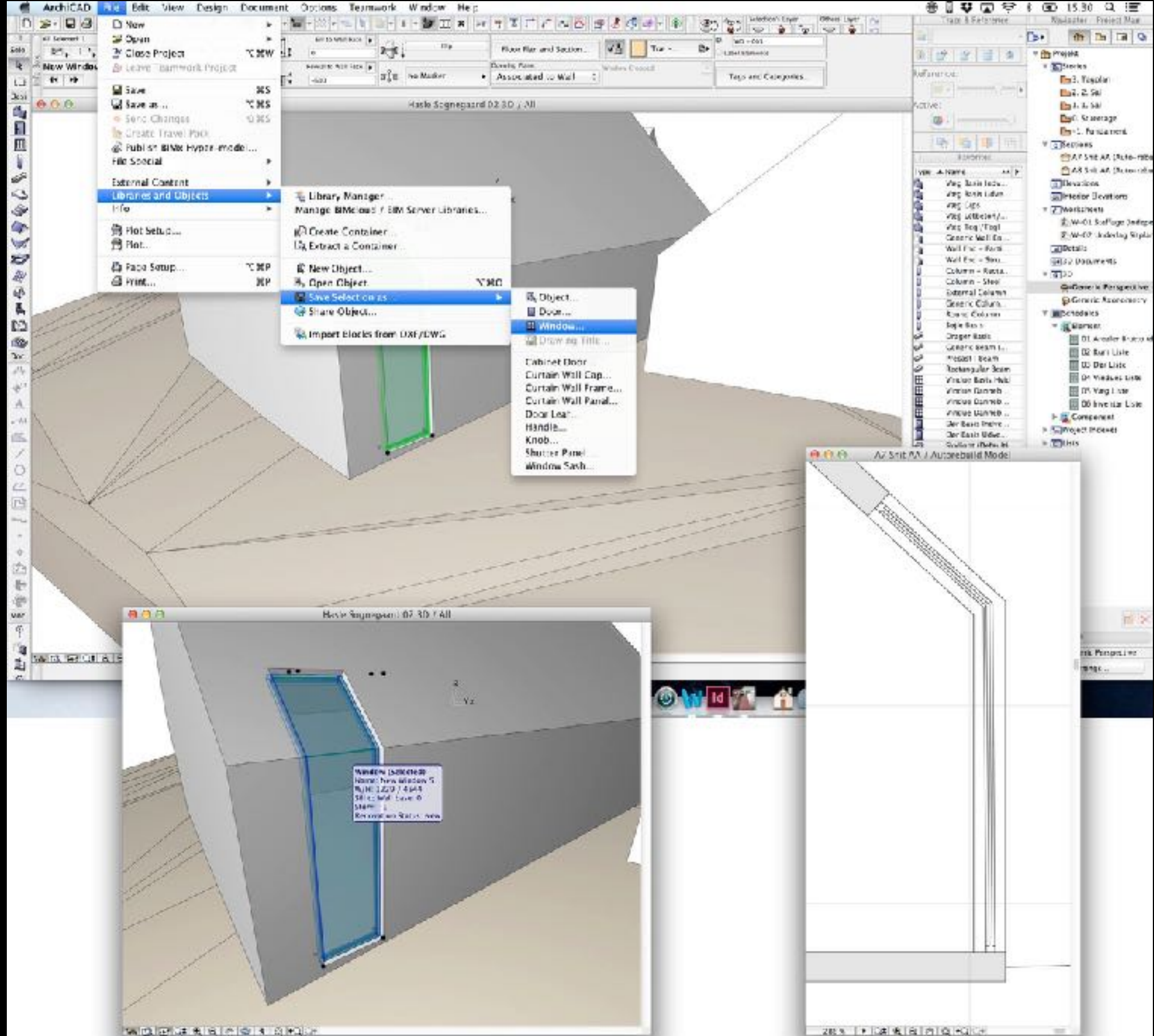






# WHITEPAPER

AUGUST 2014







# KONKURRENCEFORSLAG





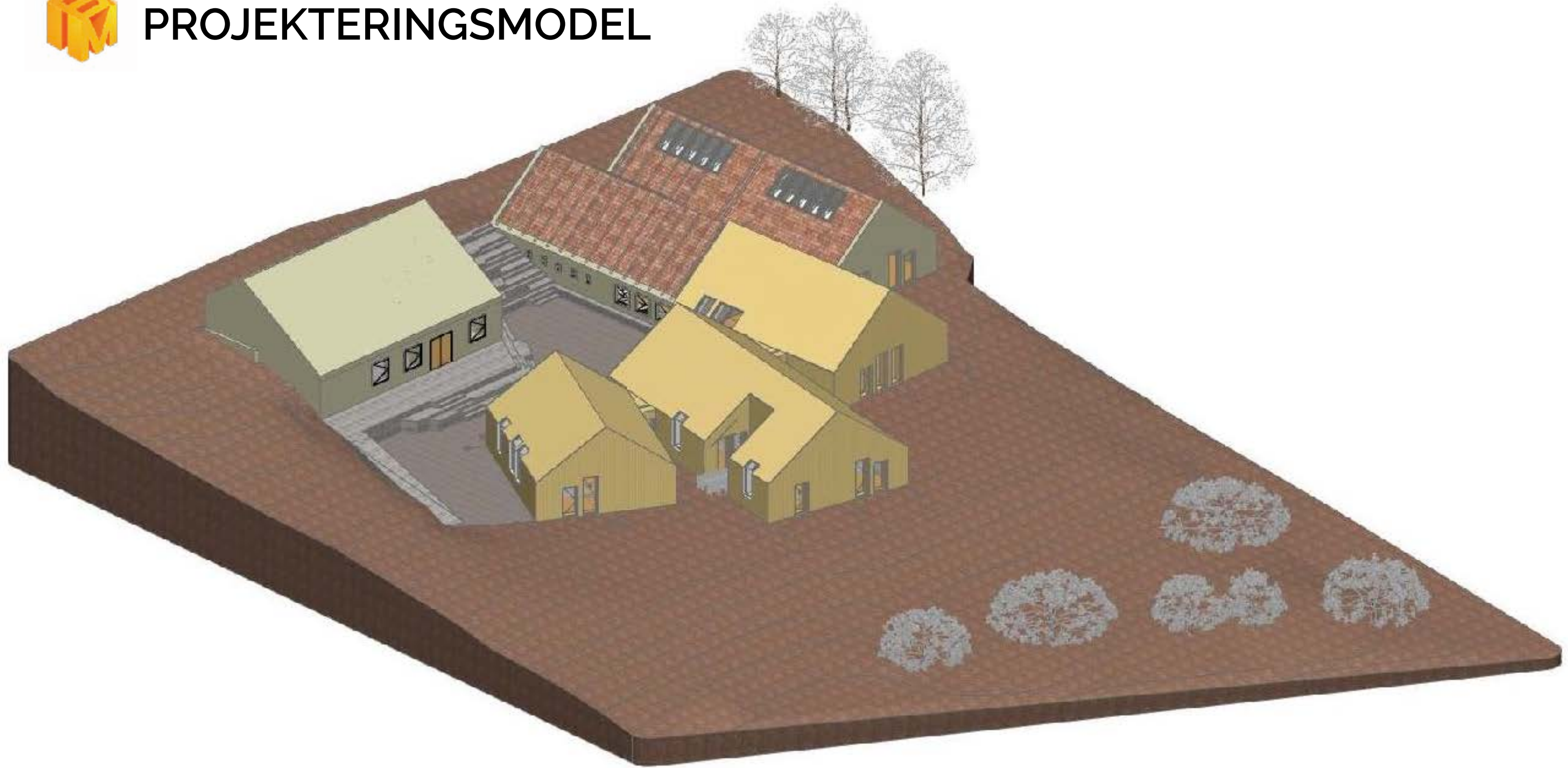


# PROJEKTERINGSMODEL





# PROJEKTERINGSMODEL







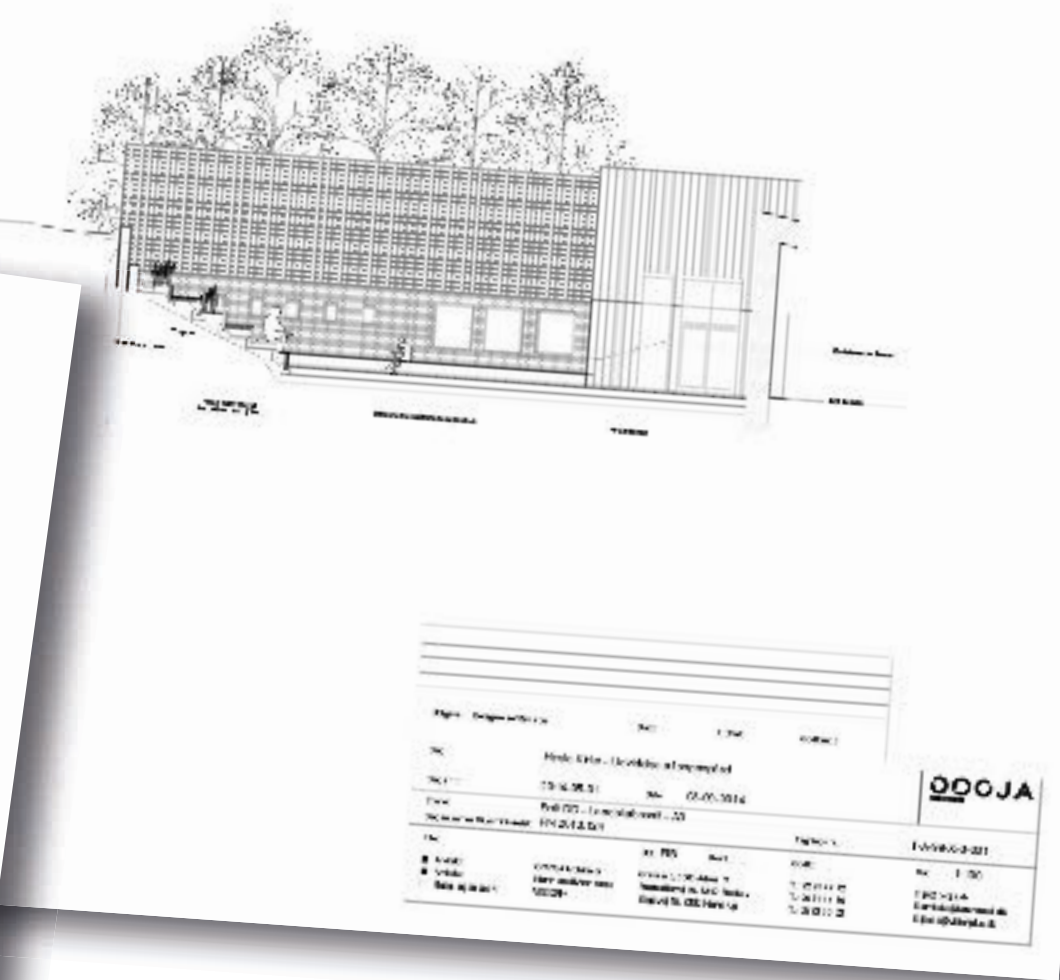
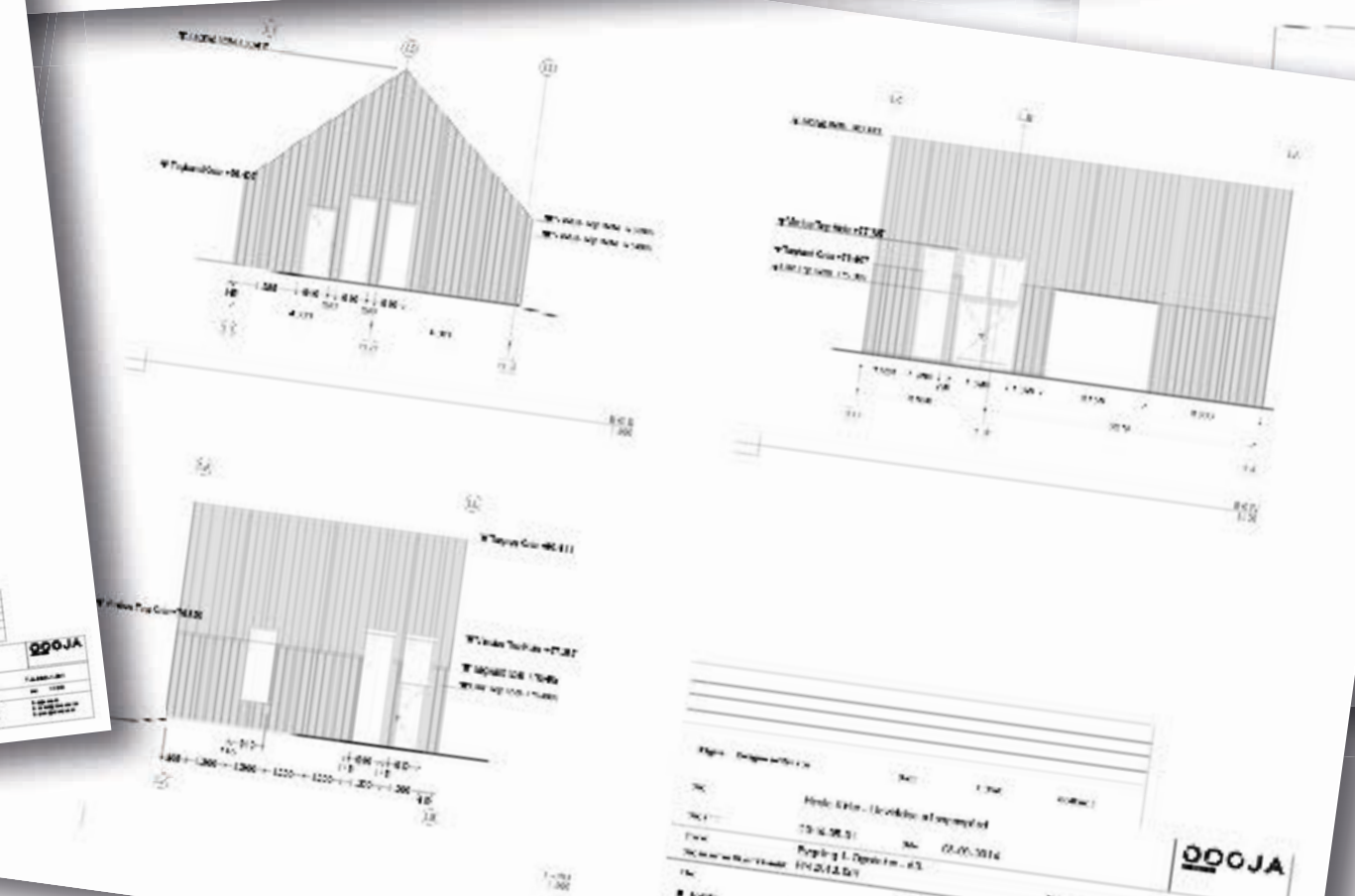
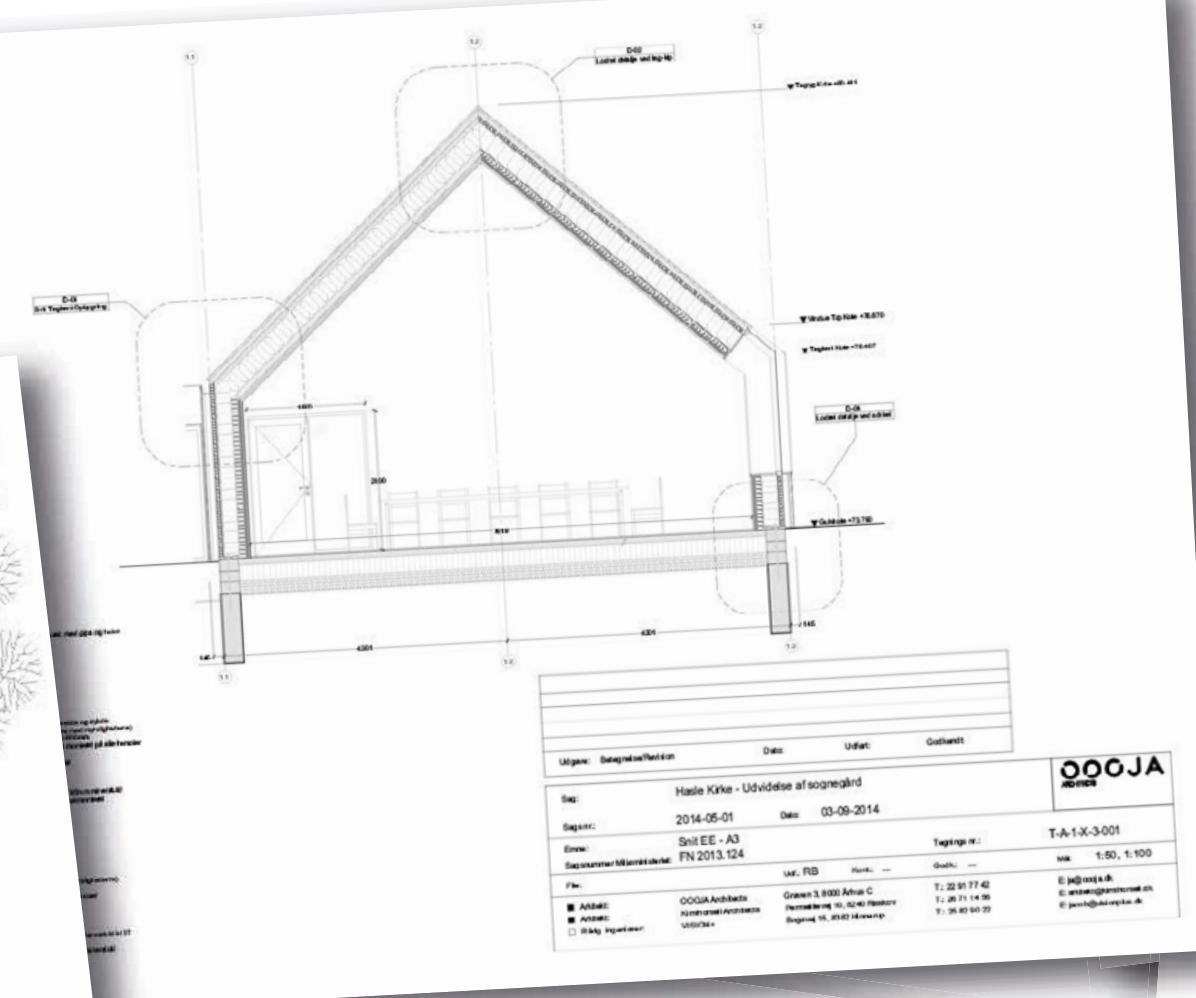
# PROJEKTERINGSMODEL











# **BESSARDS' STUDIO**









Triple Window 20

Size: 2406 / 1600

Sill to Header Height: 1000

Reveal Depth: 195

Flip

No Marker

0. Grundplan

[W-04 CAD Underlay]

[3D / All]

[ACT Layout]

Design

Document

More

Projekt Name

- Stories
  - 2. Tagplan
  - 1. 1. Sal
  - 0. Grundplan
  - 1. Keller
  - 2. Fundament
- Sections
- Elevations
- Interior Elevations
- Worksheets
  - TH-01 Tegringshoved (Inde)
  - W-02 CAD Underlay (Indep)
  - W-03 CAD Underlay (Indep)
  - W-04 CAD Underlay (Indep)
- Details
- 3D Documents
- 3D
  - Generic Perspective
  - Generic Axonometry
- Schedules
- Project indexes
- Lists
- Info
- Help

Window (Selected)

Name: Triple Window 20

WH: 2406 / 1600

Sill to Story 0: 1000

Renovation Status: New

Multiple Elements (TAB)

Properties

0. Grundplan

Settings...

467%

0,00°

1:20

Custom

Entire Model

00 DK 2014

Custom

3D Vislinger

05 Fremtidige...

\_DK standard





The image shows a screenshot of the Autodesk Revit software interface. The main view is a floor plan showing a window detail. The window is highlighted in green and has a blue border. A dimension line above the window indicates a width of 4.200. The window is set to 'Sill to Story 0' and has a 'Reveal Depth' of 195. The window is divided into three panes, each 600 units wide. The window is set to 'Sill to Story 0' and has a 'Reveal Depth' of 195. The window is divided into three panes, each 600 units wide. The window is set to 'Sill to Story 0' and has a 'Reveal Depth' of 195. The window is divided into three panes, each 600 units wide.

**Properties Panel:**

- Window (Selected)
- Name: Triple Window 20
- W/H: 2405 / 1500
- Sill to Story 0: 1000
- Reveal Depth: 195
- Reveal to: Wall Face
- Marker Object: No Marker
- Flip: [X]

**Project Browser:**

- Projekt Name
- Stories
  - 2. Tagplan
  - 1. 1. Sal
  - 0. Grundplan
  - 1. Keller
  - 2. Fundament
- Sections
- Elevations
- Interior Elevations
- Worksheets
  - TH-01 Tegringshoved (Inde)
  - W-02 CAD Underlay (Indep)
  - W-03 CAD Underlay (Indep)
  - W-04 CAD Underlay (Indep)
- Details
- 3D Documents
- 3D
  - Generic Perspective
  - Generic Axonometry
- Schedules
- Project Indexes
- Lists
- Info
- Help

**Bottom Bar:**

187% | 0,00° | 1:20 | Custom | Entire Model | 00 DK 2014 | Custom | 3D Vislinger | 05 Fremtidige... | \_DK standard





0: Grundplan | [W-04 CAD Underlay] | [3D / All] | [A01 Layout]

Design | Document | More

Projekt Navn  
Stories  
2. Tagplan  
1. Sal  
0. Grundplan  
-1. Kelder  
-2. Fundament  
Sections  
Elevations  
Interior Elevations  
Worksets  
TH-01 Tegningshoved (Inde...  
W-02 CAD Underlay (Indep...  
W-03 CAD Underlay (Indep...  
W-04 CAD Underlay (Indep...  
Details  
3D Documents  
3D  
Generic Perspective  
Generic Axonometry  
Schedules  
Project indexes  
Lists  
Info  
Help

ENTRÉ  
2.33

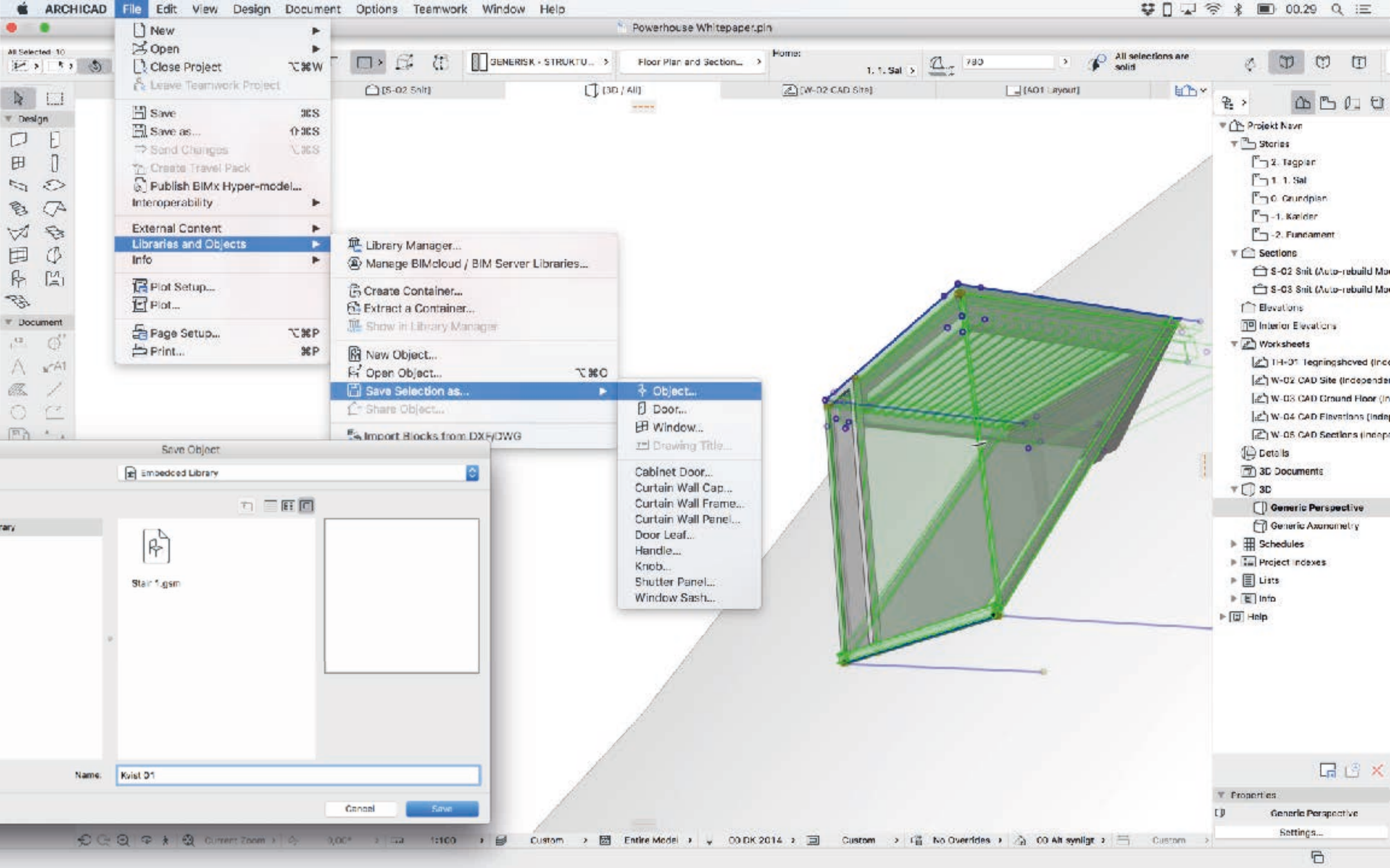
REV-01  
KOTE ændret  
tilbudslste ændret

REV-01  
KOTE ændret  
dermed også trapper  
tilbudslste ændret

1.600

109% | 0,00° | 1:20 | Custom | Entire Model | 00 DK 2014 | Custom | 3D Visninger | 05 Fremtidige... | \_DK standard





- New
- Open
- Close Project
- Leave Teamwork Project
- Save
- Save as...
- Send Changes
- Create Travel Pack
- Publish BIMx Hyper-model...
- Interoperability
- External Content
- Libraries and Objects
- Info
- Plot Setup...
- Plot...
- Page Setup...
- Print...

- Library Manager...
- Manage BIMcloud / BIM Server Libraries...
- Create Container...
- Extract a Container...
- Show in Library Manager
- New Object...
- Open Object...
- Save Selection as...
- Share Object...
- Import Blocks from DXF/DWG

- Object...
- Door...
- Window...
- Drawing Title...
- Cabinet Door...
- Curtain Wall Cap...
- Curtain Wall Frame...
- Curtain Wall Panel...
- Door Leaf...
- Handle...
- Knob...
- Shutter Panel...
- Window Sash...

Save Object

Save Library Part to: Embedded Library

Embedded Library

Stair 1.gsm

Name: Kvist 01

Cancel Save

- Projekt Navn
- Stories
- 2. Tagplan
- 1. 1. Sal
- 0. Grundplan
- 1. Kelder
- 2. Fundament
- Sections
- S-02 Snit (Auto-rebuild Mo...
- S-03 Snit (Auto-rebuild Mo...
- Elevations
- Interior Elevations
- Worksheets
- IH-01 Tegningshoved (Inco...
- W-02 CAD Site (Independen...
- W-03 CAD Ground Floor (In...
- W-04 CAD Elevations (Inde...
- W-05 CAD Sections (Indep...
- Details
- 3D Documents
- 3D
- Generic Perspective
- Generic Axonometry
- Schedules
- Project indexes
- Lists
- Info
- Help

Properties

Generic Perspective

Settings...





Selection's All Layers

Mon

[0. Grundplan] [S-02 Schnitt] [3D / All] [W-02 CAD Site] [A01 Layout]

Design

Document

More

Projekt Navn

- Stories
  - 2. Tagplan
  - 1. Sal
  - 0. Grundplan
  - 1. Kelder
  - 2. Fundament
- Sections
  - S-02 Schnitt (Auto-rebuild Mo
  - S-03 Schnitt (Auto-rebuild Mo
- Elevations
- Interior Elevations
- Worksheets
  - 1H-01 Tegningshoved (Inco
  - W-02 CAD Site (Independ
  - W-03 CAD Ground Floor (In
  - W-04 CAD Elevations (Inde
  - W-05 CAD Sections (Indep
- Details
- 3D Documents
- 3D
  - Generic Perspective**
  - Generic Azimuth
- Schedules
- Project indexes
- Lists
- Info
- Help

Properties

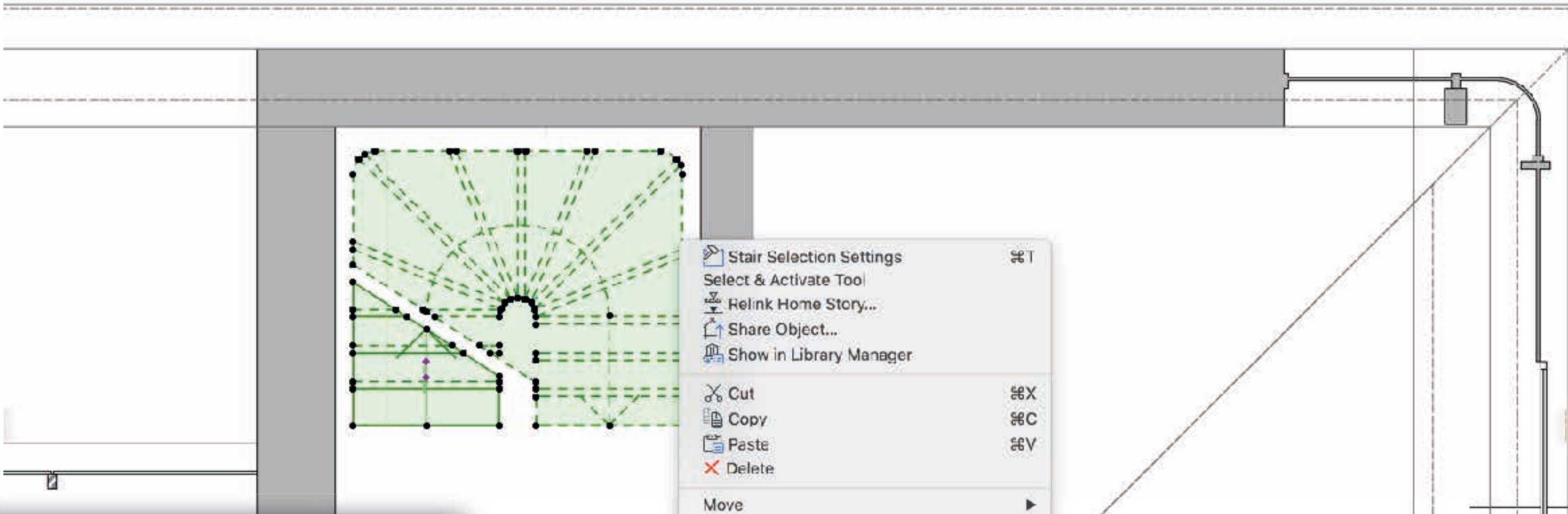
Generic Perspective

Settings...

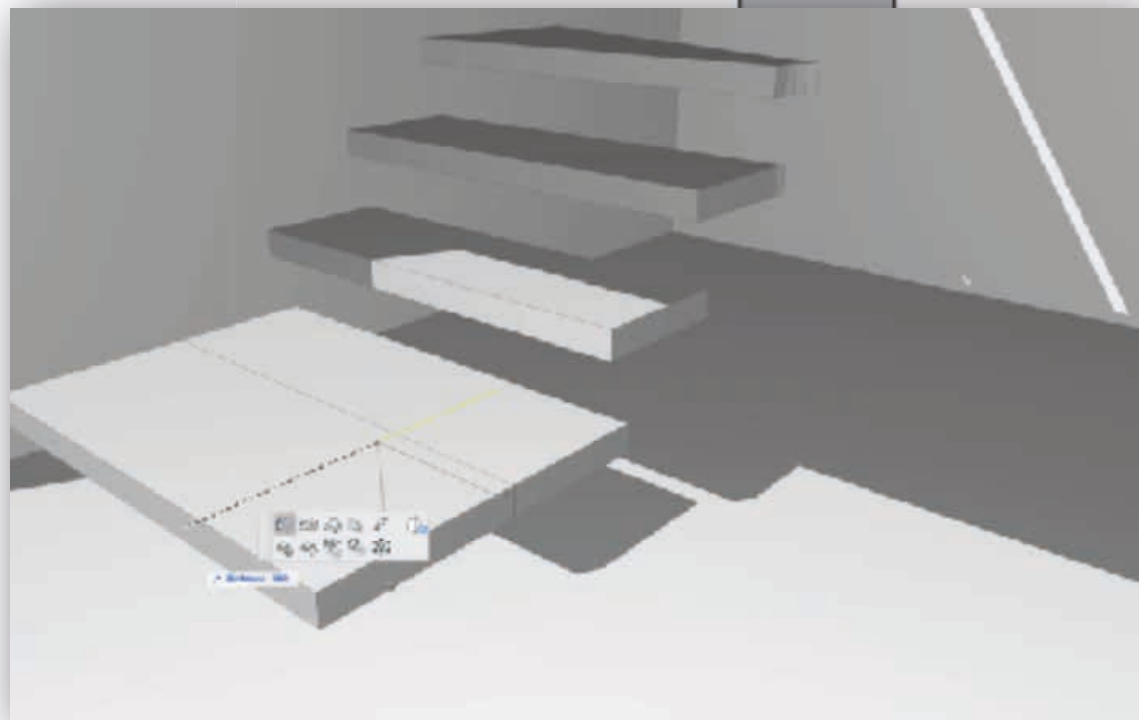
Current Zoom: 0,00% 1:100 Custom Entire Model 03 DK 2014 Custom No Overrides 00 Alt synligt Custom

Click an Element or Draw a Selection Area. Press and Hold CTRL-Shift to Toggle Element/Sub-Element Selection.

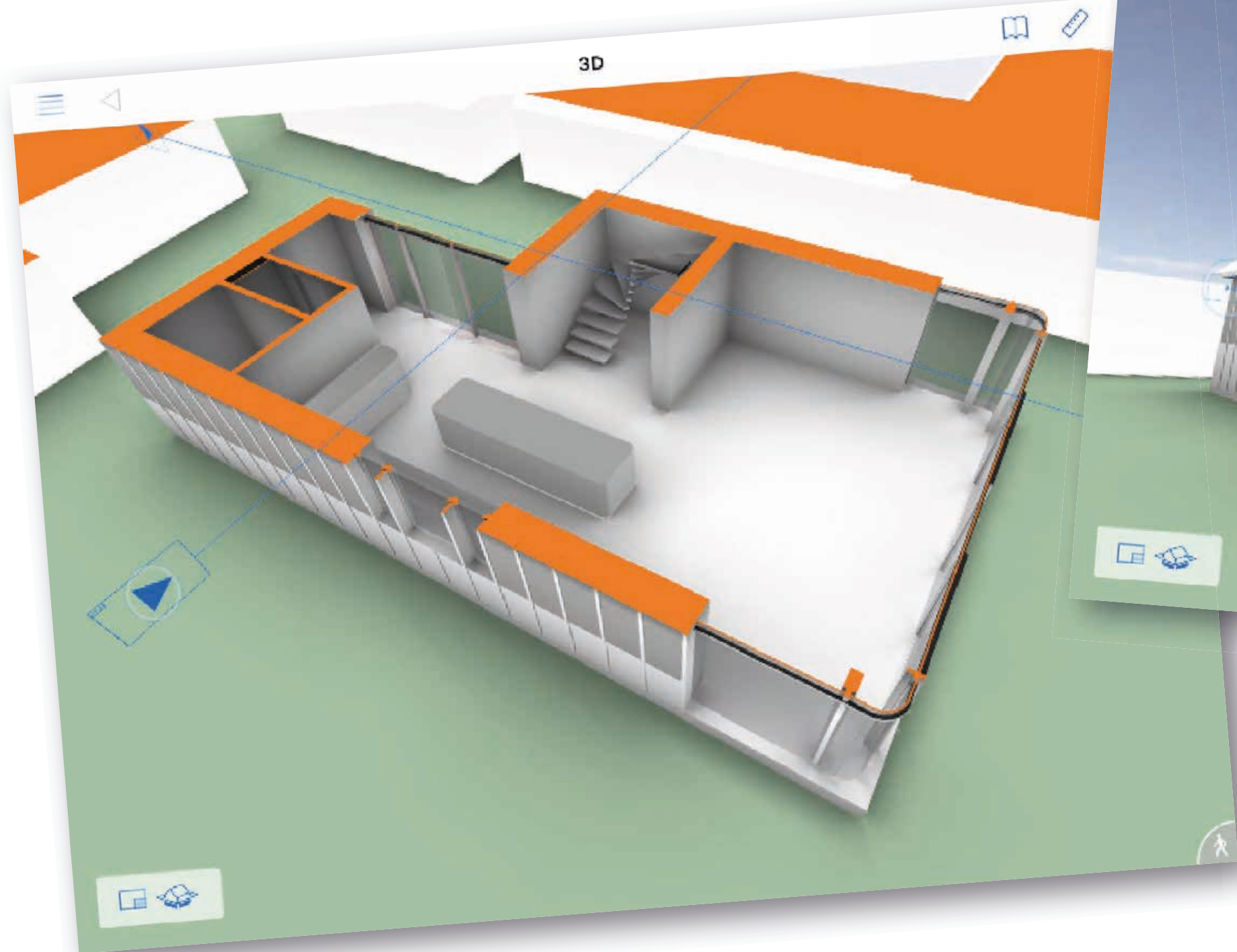




- Stair Selection Settings ⌘T
- Select & Activate Tool
- Relink Home Story...
- Share Object...
- Show in Library Manager
- Cut ⌘X
- Copy ⌘C
- Paste ⌘V
- Delete
- Move ▶
- Display Order ▶
- Layers ▶
- Convert Selection to Morph(s)**
- Connect ▶
- Show Selection/Marquee in 3D F4
- Show All in 3D ⌘F4
- Show Stored Selection/Marquee in 3D
- Zoom to Selection ⌘'⌘
- Deselect All









“ARCHICAD har gjort det sjovt igen at være arkitekt. Det er virkelig et godt program. Hvor jeg før hele tiden følte, jeg var bagud i de forskellige softwares, skulle håndtere 20 programmer for at lave et projekt, jeg var for langsom i forhold til de 'unge' arkitekter – og derfor meget afhængig af dem, så føler jeg nu jeg investerer i et 'holistisk' tegneprogram hvor man har mulighed for at integrere hele processen og tilpasse det til sin egen arbejdsmetode”

Lotte Bessard, Bessard Studio



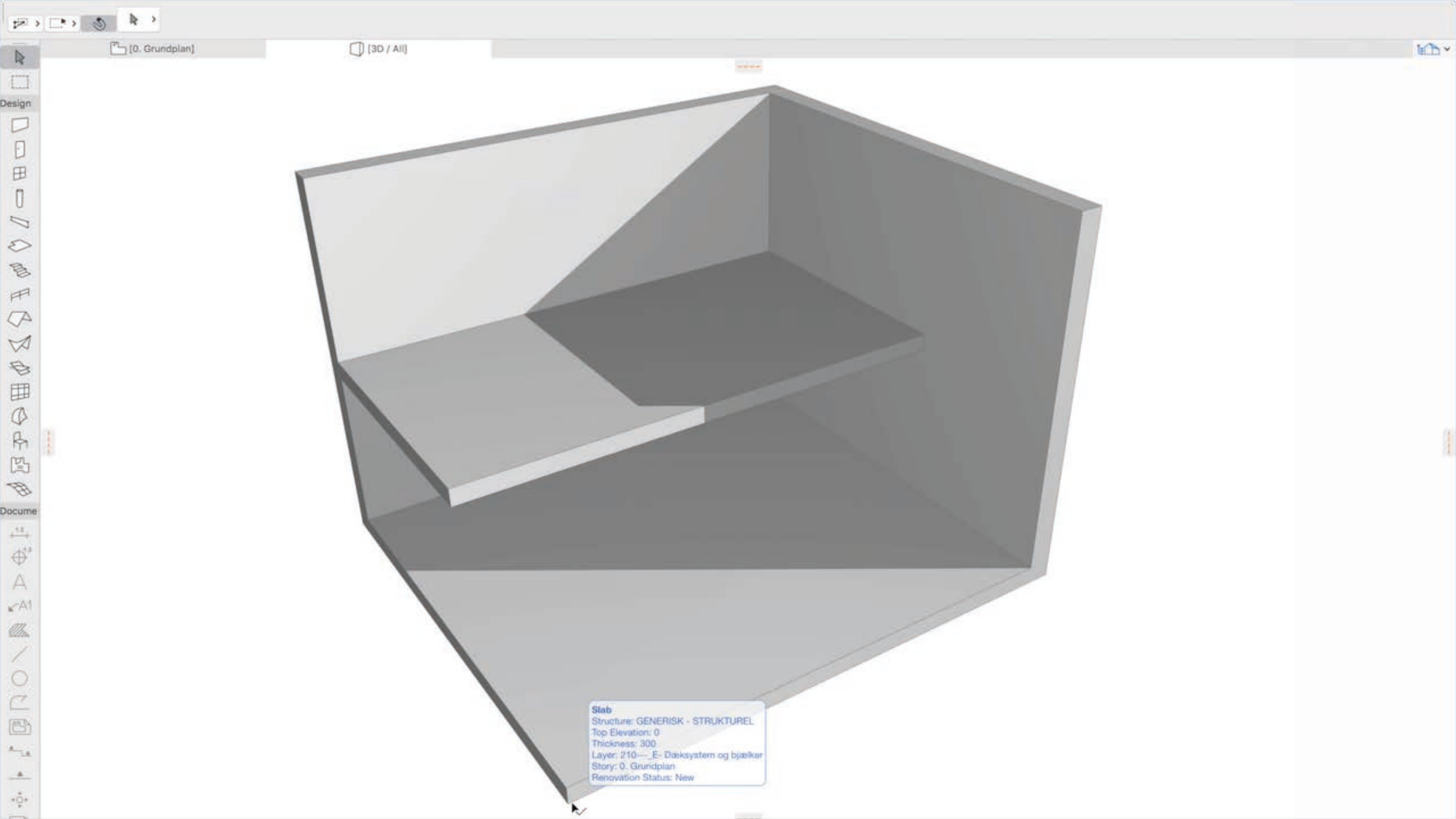
# MODELLERING

The image shows a large, modern interior space, likely a library or study center. The ceiling is a prominent feature, consisting of a series of curved, ribbed structures that create a sense of depth and movement. The walls are white and feature several windows of varying sizes. In the foreground, there are rows of white study carrels with blue cushions. The floor is a light-colored wood. The overall atmosphere is clean, bright, and modern.



# DESIGN NOT MODELING

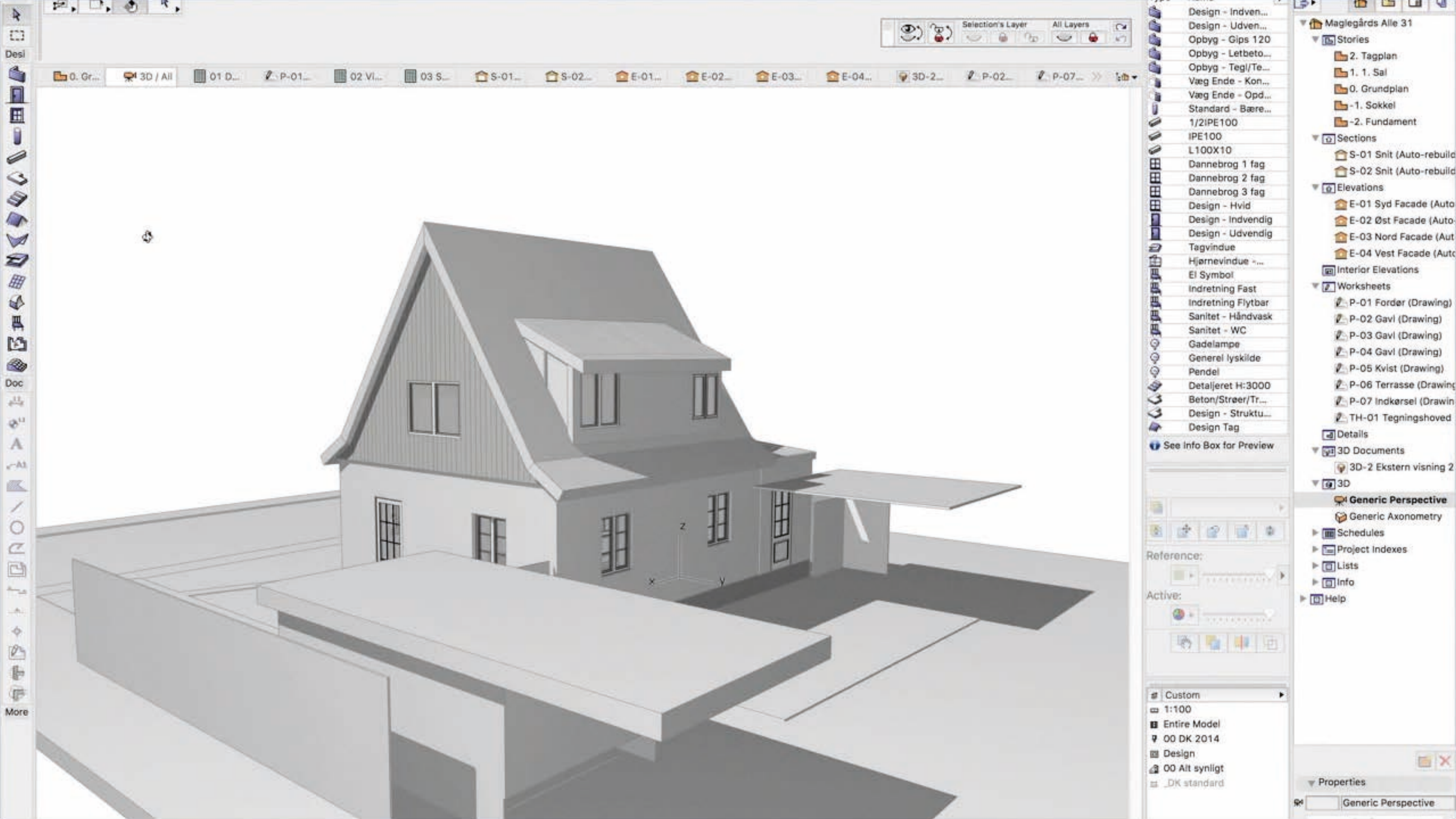






# RENOVERING





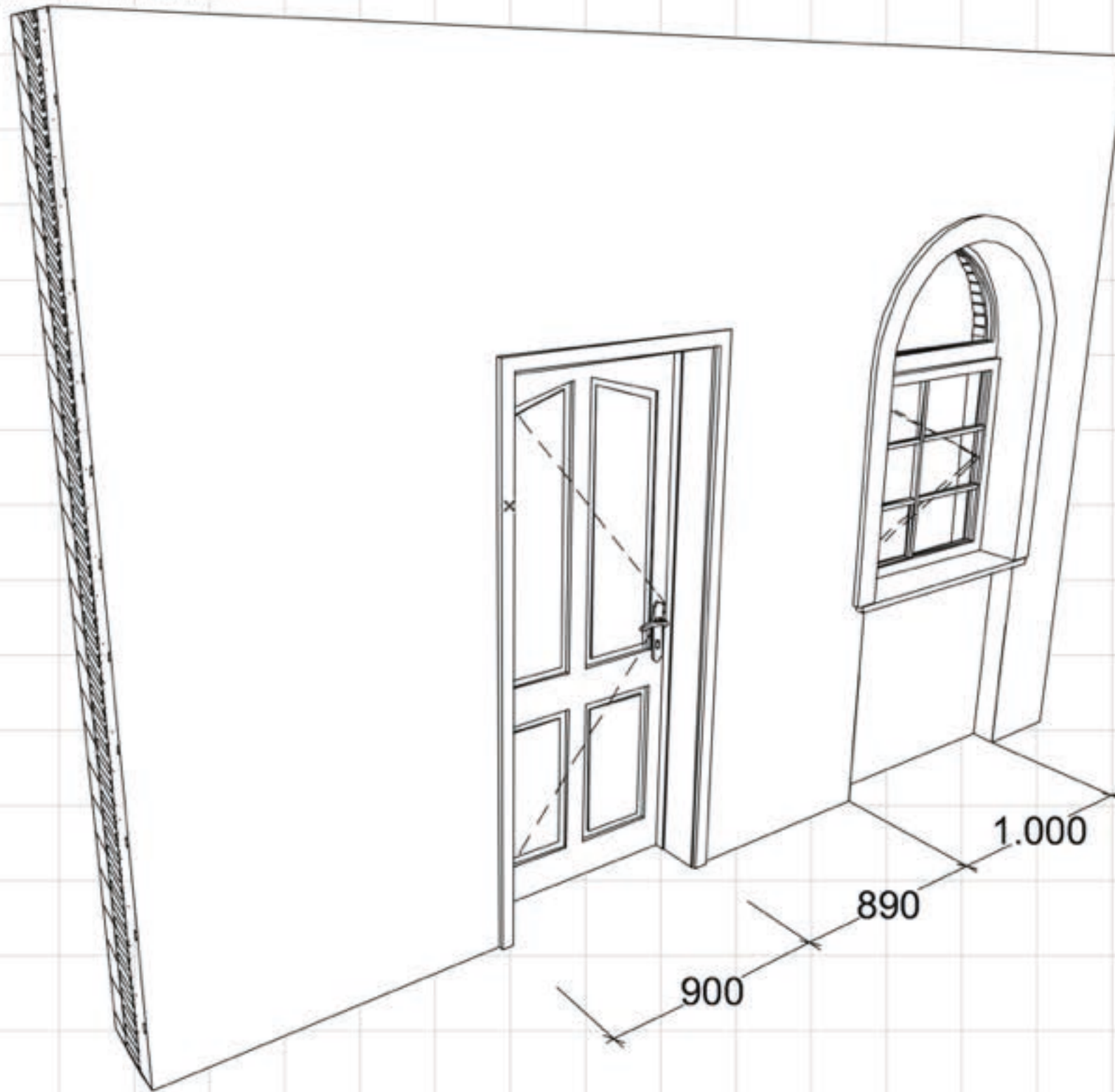




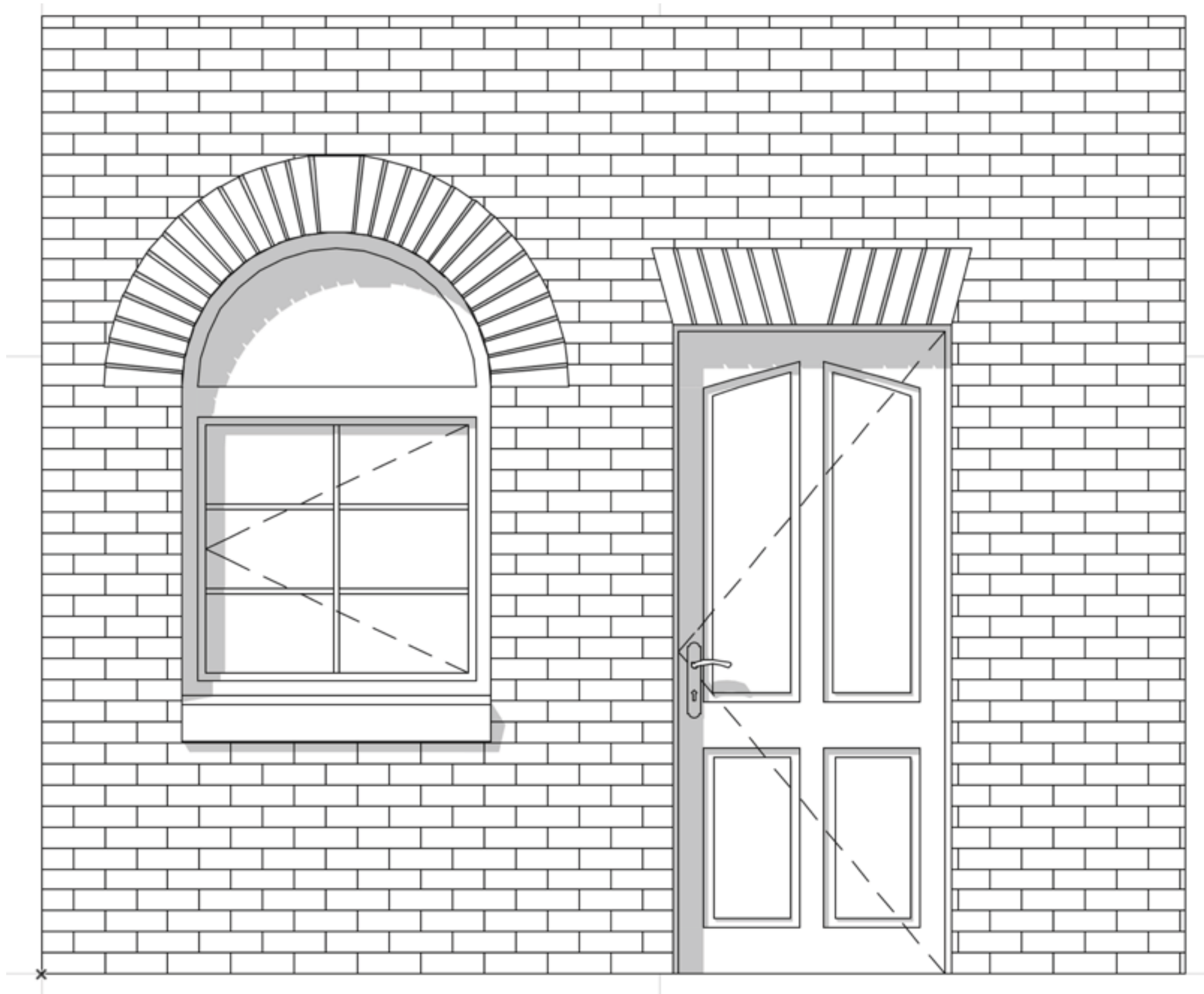




ArchicAD Demo version. Save, copy and teamwork functions are disabled.












# COMPLEX PROFILES

Profile Manager


▼ Manage Profiles

Choose Profile:

Test Profile



Use with:



Delete

Rename

New Duplicate

Store Profile

Capture Element's profile...

Apply to Selection

▼ Design Layers

- Construction
- Drafting
- Horizontal Stretch
- Vertical Stretch
- Opening Reference

▼ Components - Default

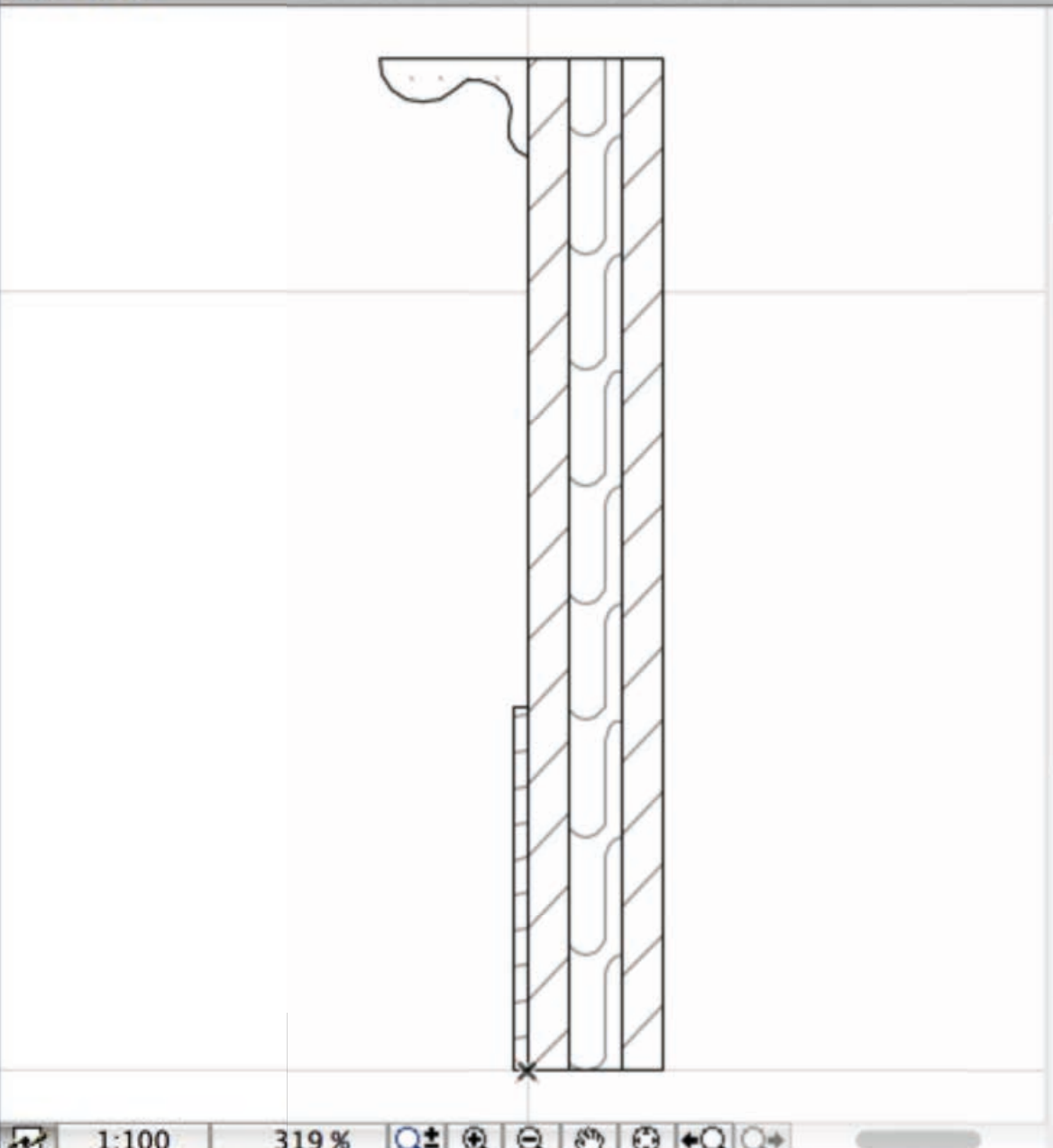
Priority: 0

Component: Core

Orientation: Project Origin

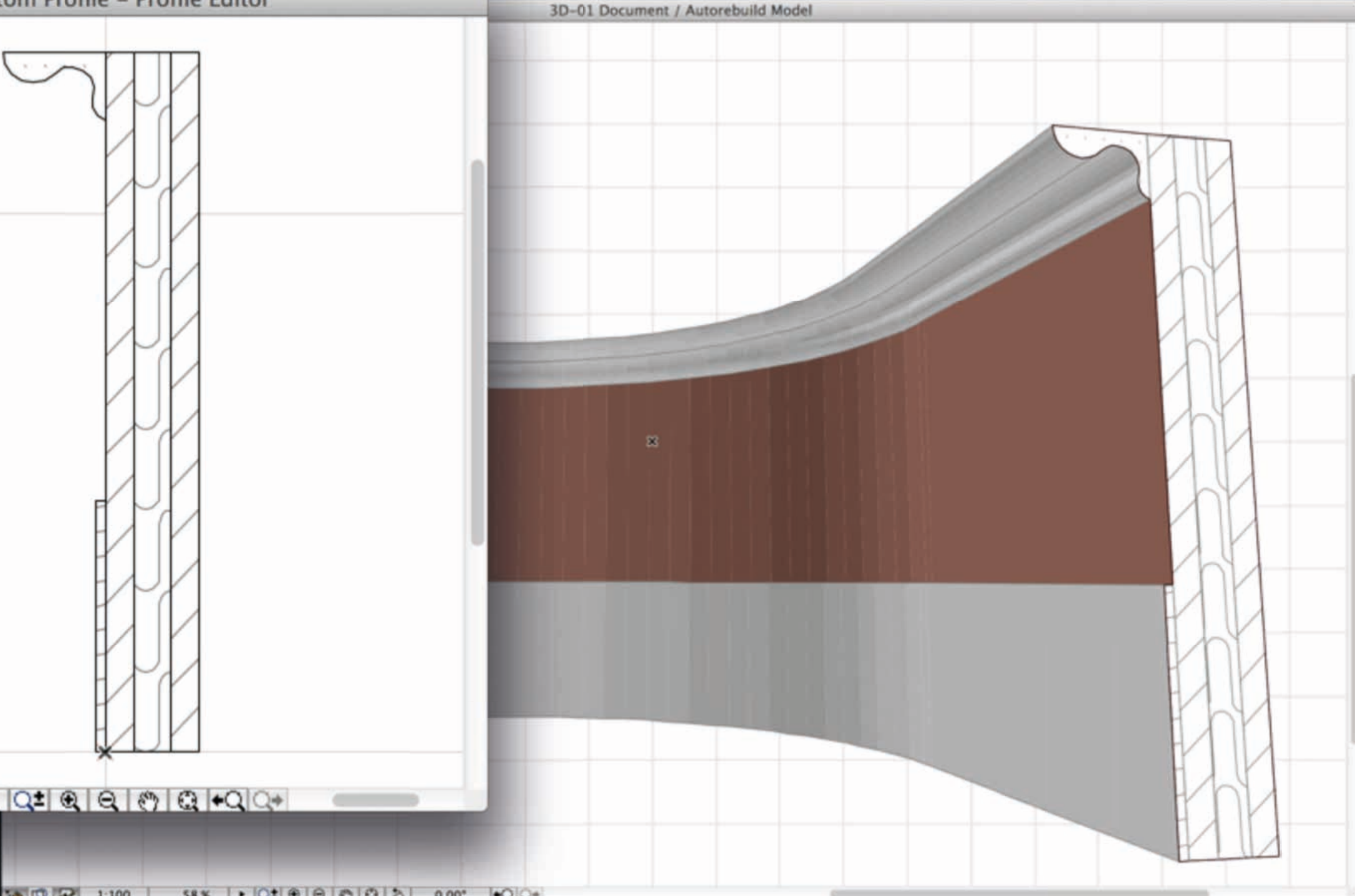
Side materials:

Custom Profile - Profile Editor



1:100 319 %

3D-01 Document / Autorebuild Model

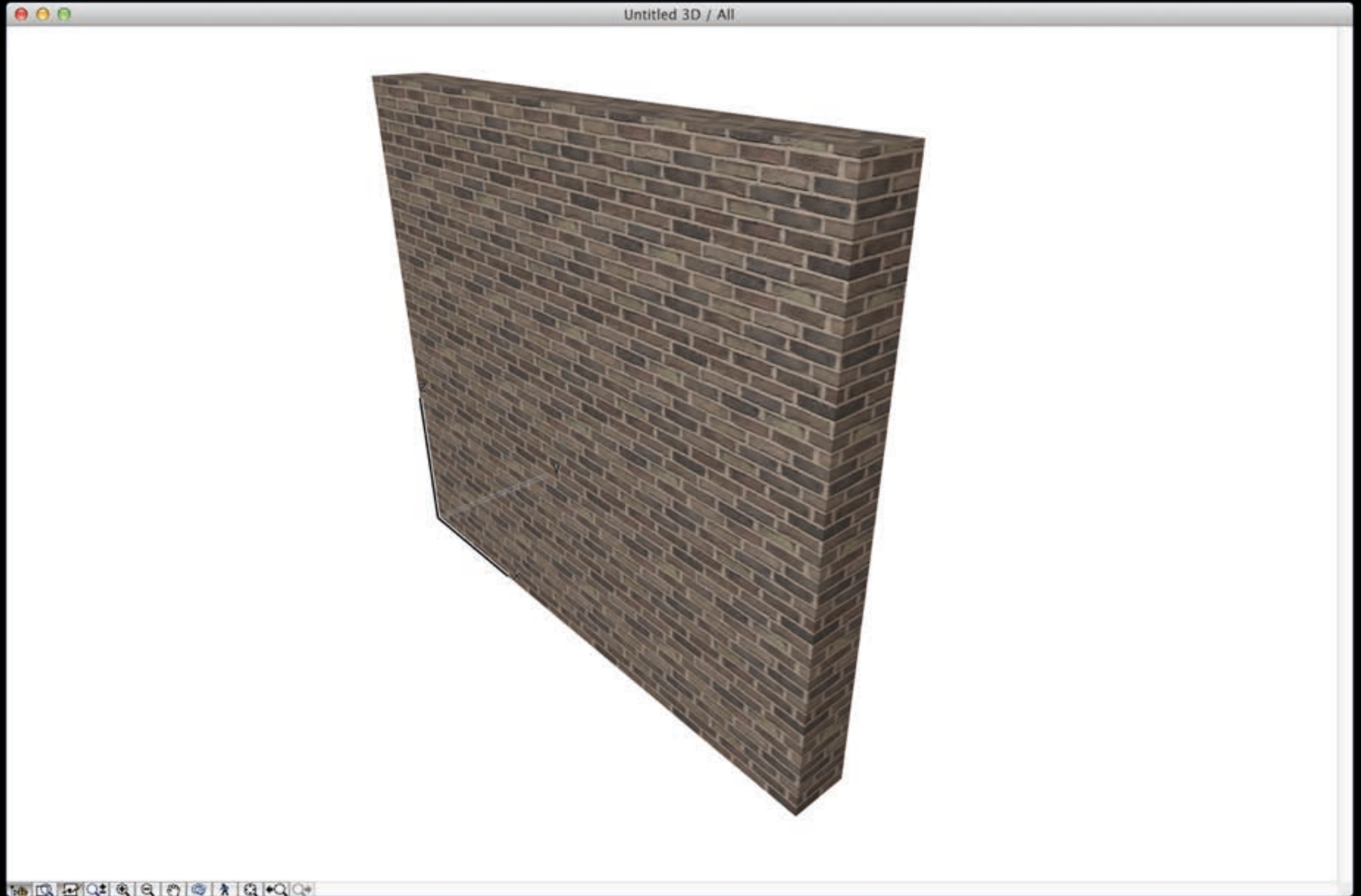


1:100 58 % 0.00"





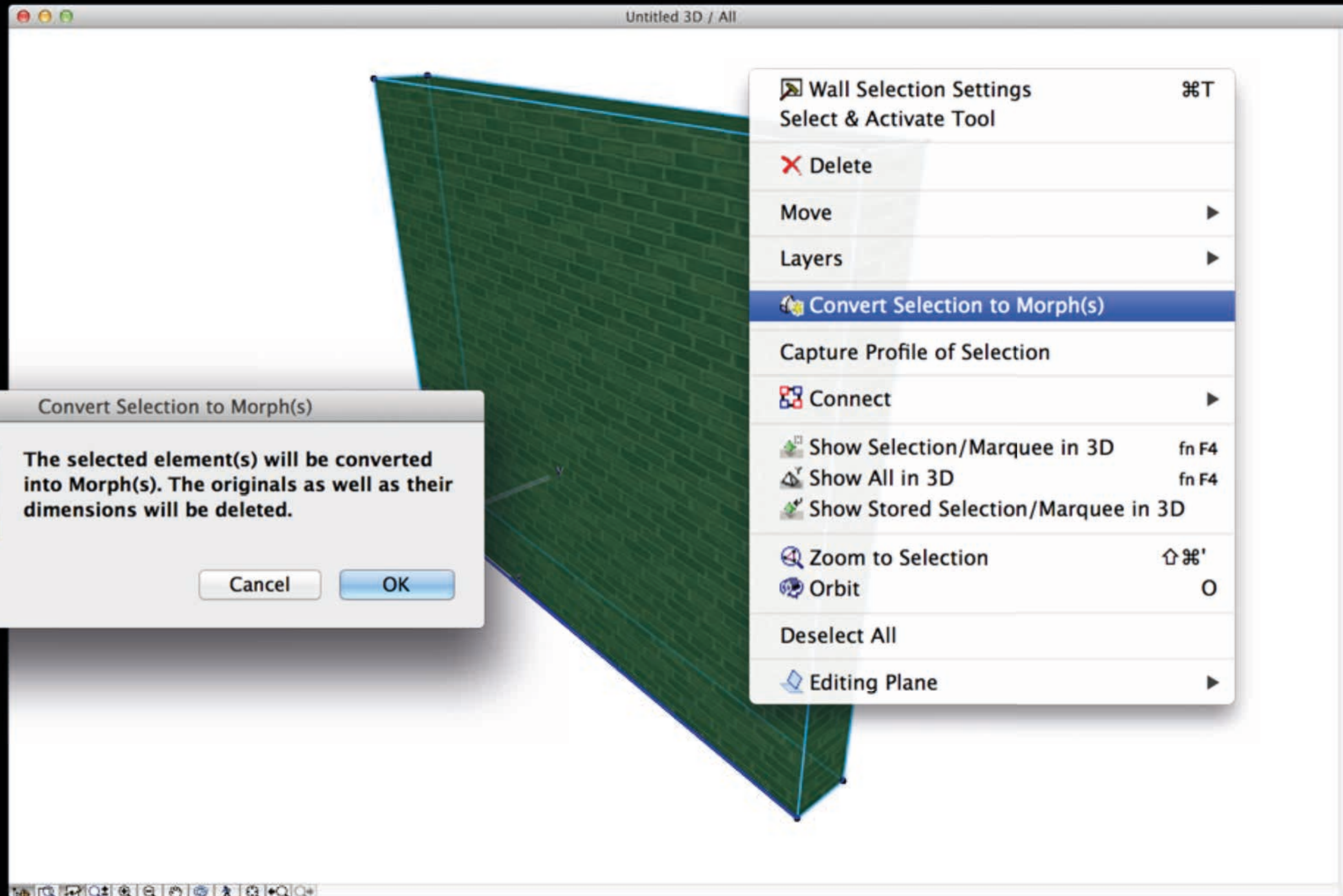
MORPH







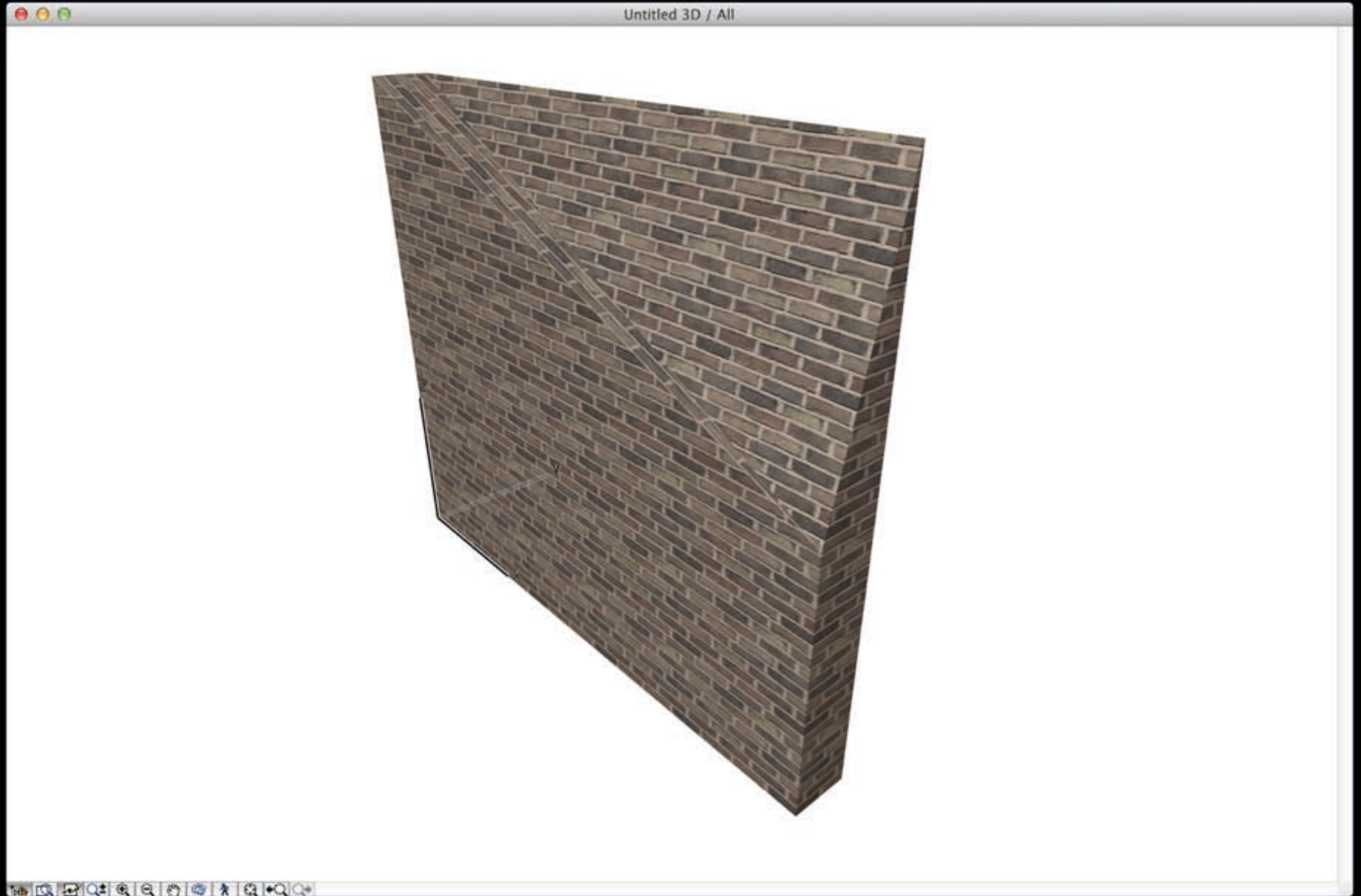
# MORPH







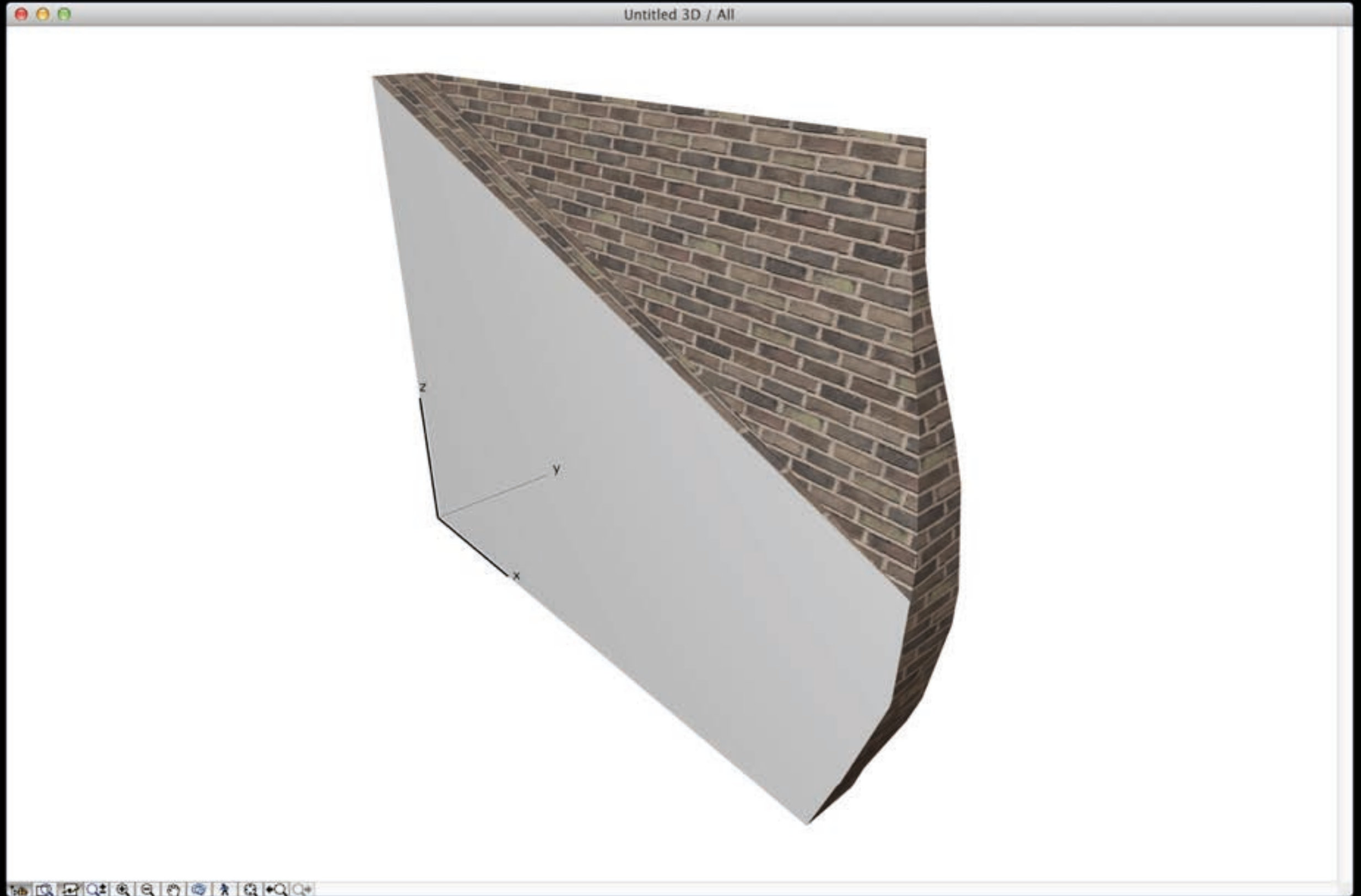
MORPH







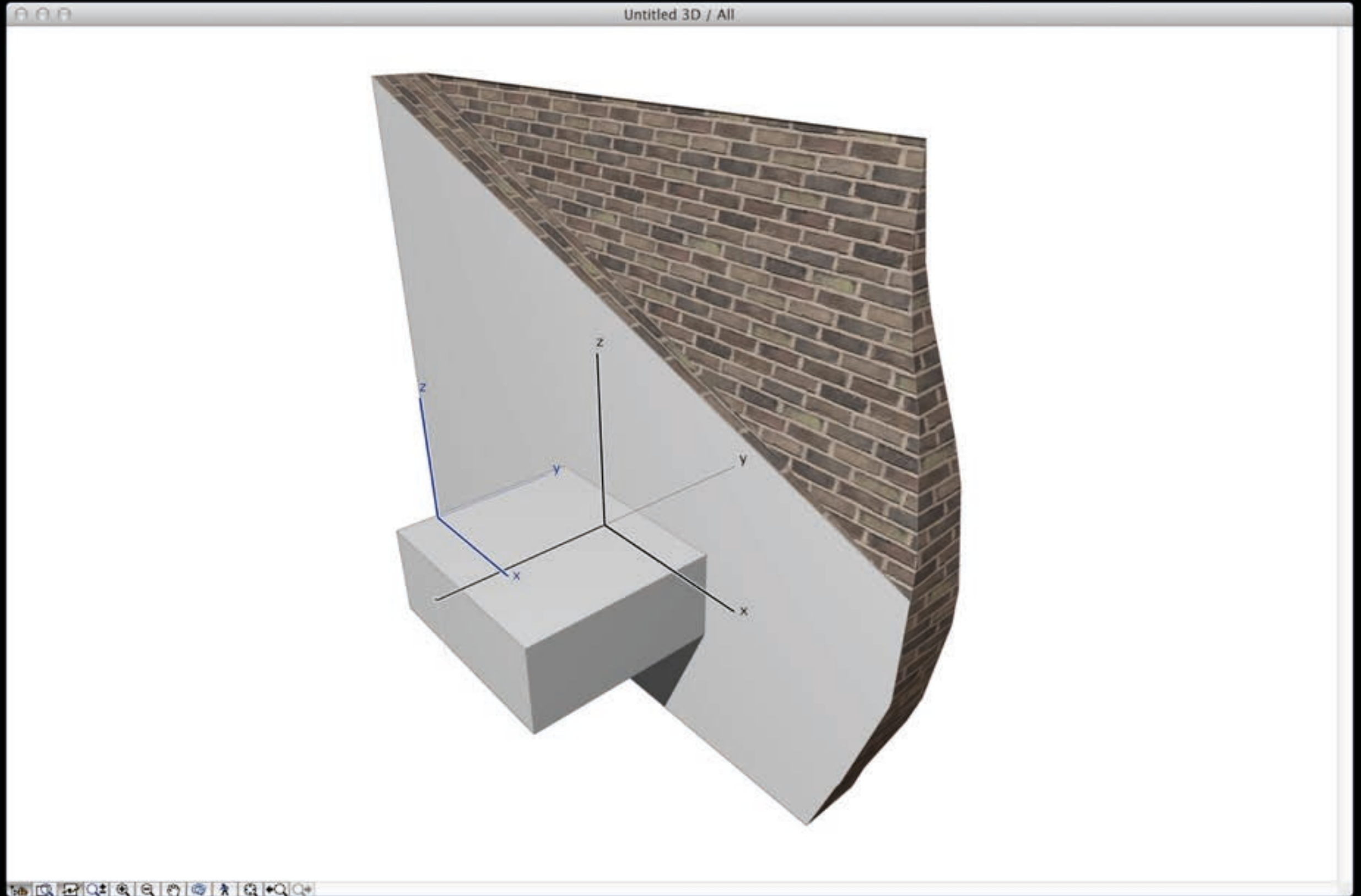
MORPH







MORPH








# RENOVERINGSFILTER

Renovation

Default elements:



Renovation Filter:

01 Eksisterende forhold

- 00 Alt synligt
  - ✓ 01 Eksisterende forhold
  - 02 Nedrivning
  - 03 Efter Nedrivning
  - 04 Ny Opbygning
  - 05 Fremtidige forhold
- Renovation Filter Options...





“GOD IS IN THE **DETAILS**”

Mies van der Rohe



### Building Materials

Editable: 1

| ID | Name                         | Priority |
|----|------------------------------|----------|
|    | Stål - Rustfri               |          |
|    | Stål - Bærende               |          |
|    | Stål                         |          |
|    | Aluminium                    |          |
|    | Jern                         |          |
|    | Beton - Armeret Prefab       |          |
|    | Træ - Bærende                |          |
|    | GENERISK - PREFAB            |          |
|    | Zink                         |          |
|    | Tagsten                      |          |
|    | Membran - Vandtæt            |          |
|    | Isolering - Termisk Brydning |          |
|    | Træ - Tag                    |          |
|    | GENERISK - UDVIDET MEMBR     |          |
|    | Beton - Armeret Bærende      |          |
|    | Beton - Letbeton Bærende     |          |
|    | Beton - Insitu Bærende       |          |
|    | Murblok - Bærende Grå        |          |
|    | Murblok - Bærende Brun       |          |
|    | Murblok - Bærende Gul        |          |
|    | Murblok - Bærende Rød        |          |
|    | Mursten - Bærende            |          |
|    | Sten - Bærende               |          |
|    | GENERISK - STRUKTUREL        |          |
|    | Mursten - Beklædning Rød     |          |
|    | Mursten - Beklædning Gul     |          |
|    | Mursten - Beklædning Brun    |          |
|    | Mursten - Beklædning Grå     |          |
|    | Sten - Beklædning            |          |

New... Delete...

Name: Stål - Rustfri

Structure and Appearance

Stål

Fill Orientation: Project Origin

Note: Fill Orientation is only available for Composites and Complex Profiles

Metal - rustfri stål

Intersection Priority: Weak Strong 970

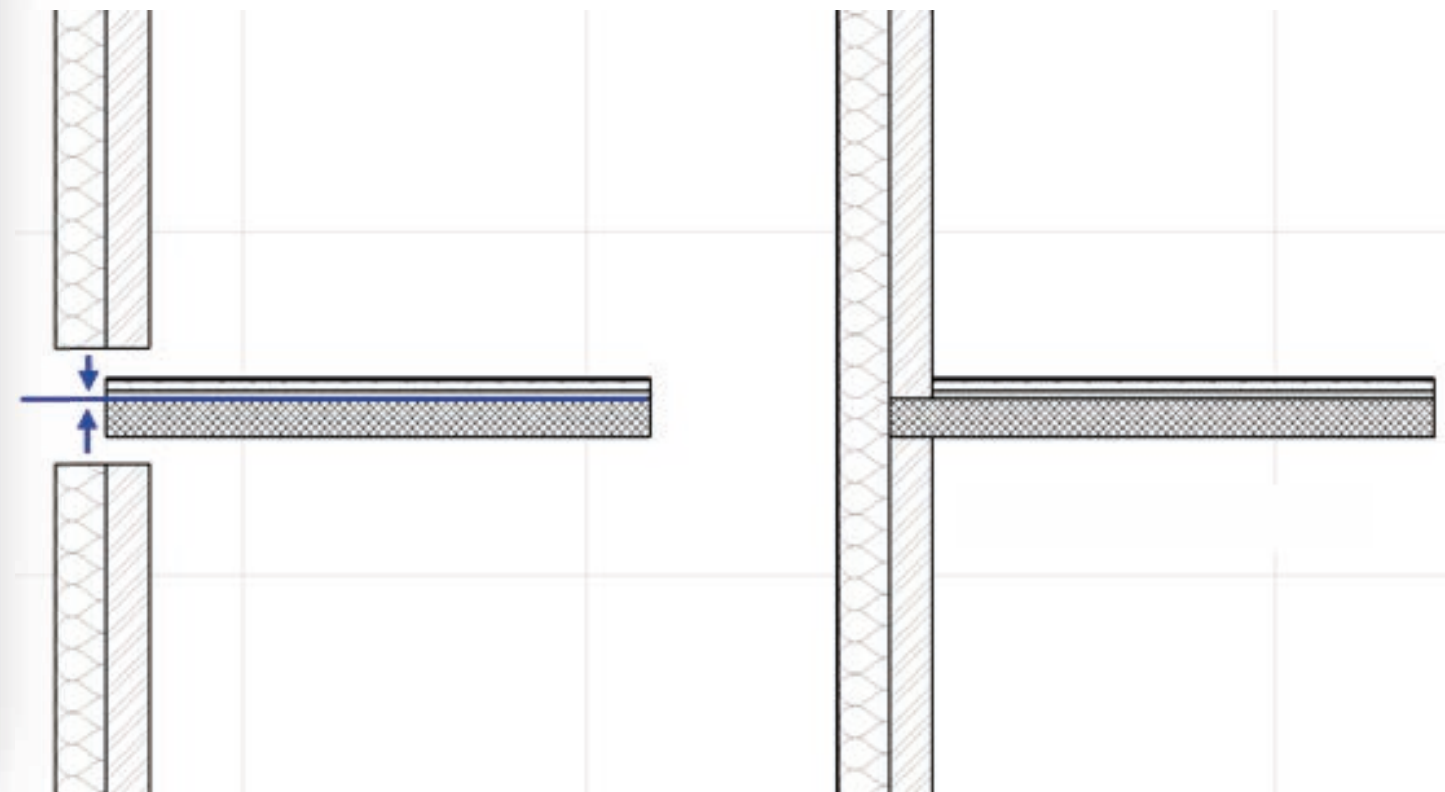
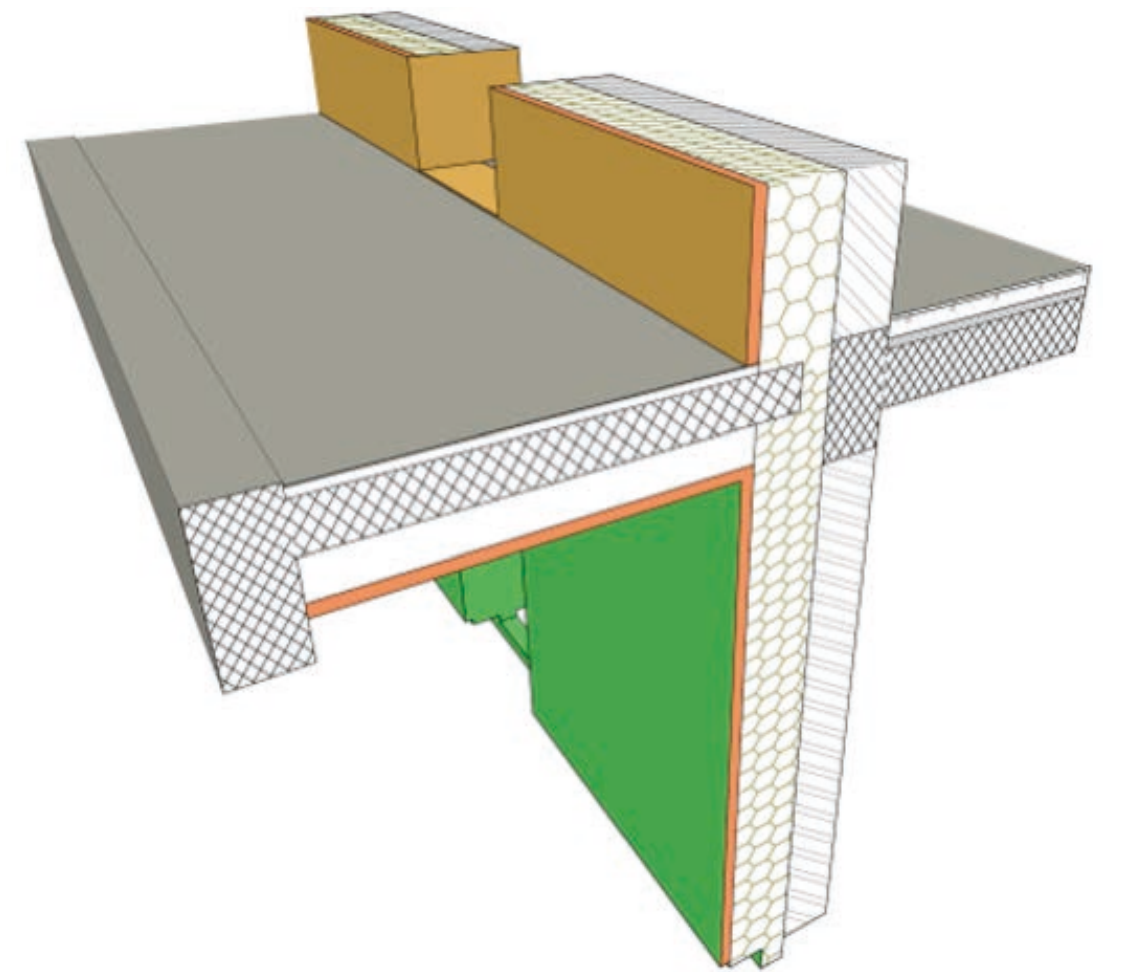
Tags and Categories

| ID | Manufacturer | Description | Participates in Collision Detection |
|----|--------------|-------------|-------------------------------------|
|    |              |             | <input checked="" type="checkbox"/> |

Physical Properties

| Material Catalog     | Open Catalog ... |
|----------------------|------------------|
| Thermal Conductivity | 17,000 W/mK      |
| Density              | 7900,000 kg/m³   |
| Heat Capacity        | 460,000 J/kgK    |
| Embodied Energy      | 56,700 MJ/kg     |
| Embodied Carbon      | 6,150 kgCO₂/kg   |

Cancel OK





**ET HUS**

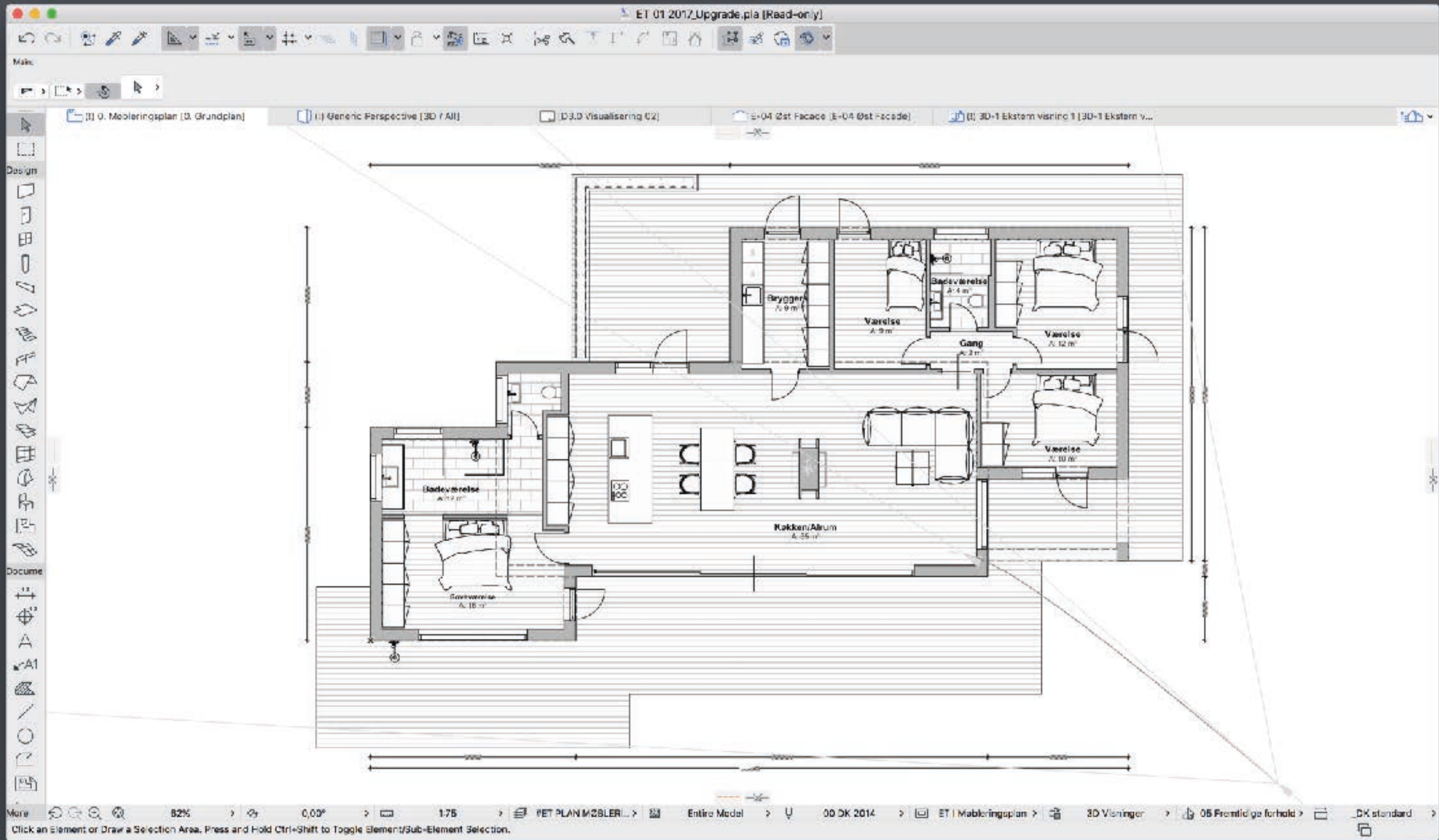
















ET 01 2017\_Upgrade.pla (Read-only)

0. Mebleringsplan [D. Grundplan] | 1. Generic Perspective [3D / All] | D3D Visualisering 02 | E-04 Øst Facade [E-04 Øst Facade] | 3D-1 Ekstern visning 1 [3D-1 Ekstern v...]

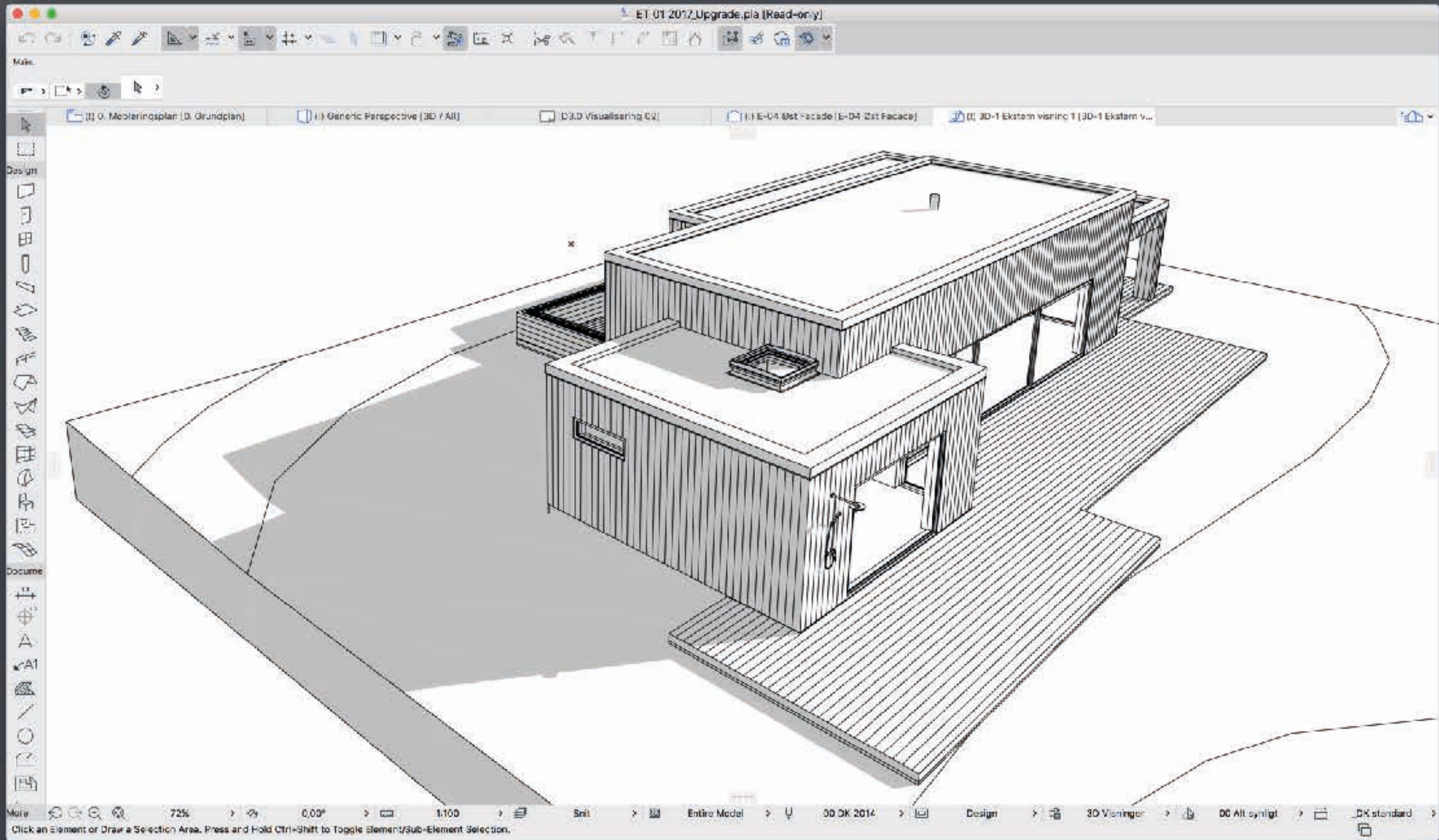
Design

Docume

More | Current Zoom: 0,00% | 1:100 | 3D VISUALISERING | Entire Model | CO DX 2014 | Design | No Overrides | CO All synlig | OpenGL Shading...

Click an Element or Draw a Selection Area. Press and Hold Ctrl+Shift to Toggle Element/Sub-Element Selection.









0. Mebleringsplan (D. Grundplan)

Picture1

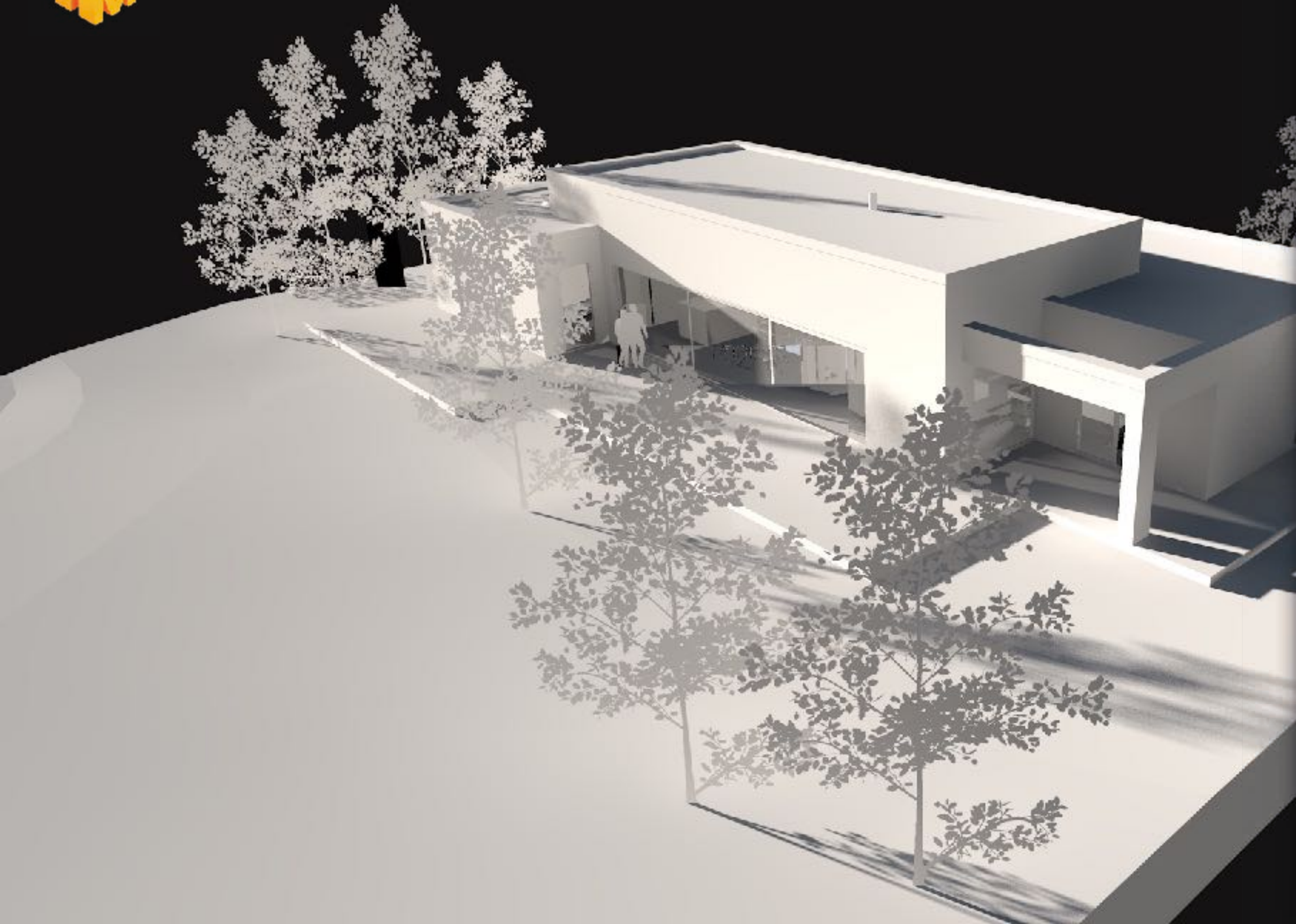


74% 1920x1080 00:04:14 Rendered with CineRender by MAXON

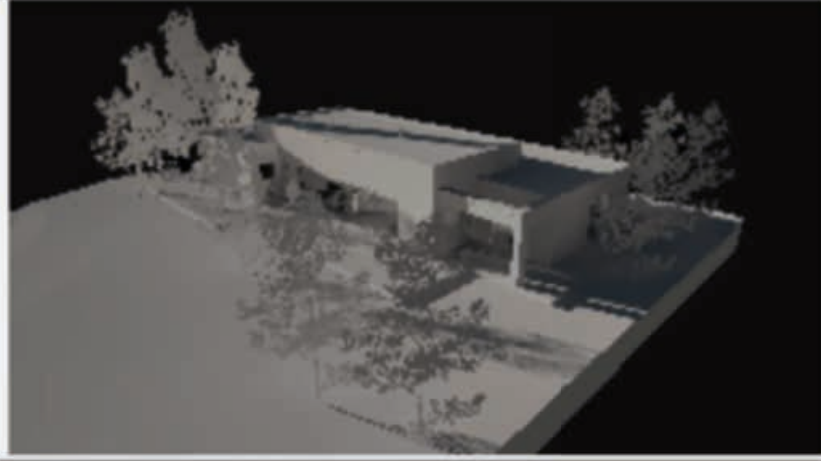
Enter First Node of Marquee Area.







### PhotoRendering Settings



Scene: Custom

Engine: CineRender by MAXON

Detailed Settings

Render Settings

Quality: Custom

Low

Lights:

- Off High 200 %
- Off High 0 %
- Off High 18 %

Effects:

Use White Model Effect

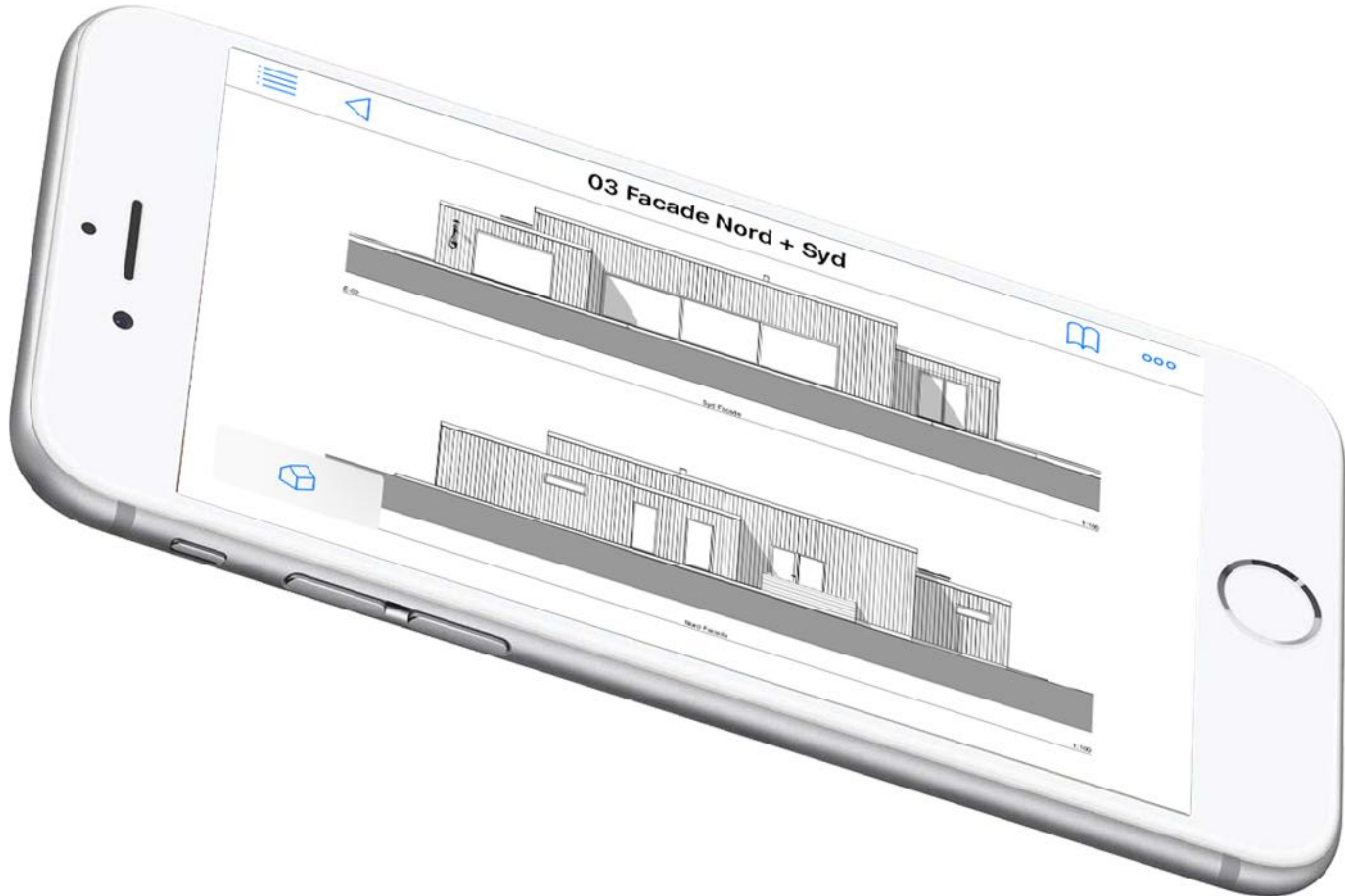
Sharp Blurry

Environment

Background

Camera icon















“Jeg har tegnet det første hus op i ARCHICAD 21 og det fungerer bare!  
Kan godt se at trapperne er MEGET nemmere at tegne 👍 ”

Nanna Lyng, bygningskonstruktør hos ET Hus

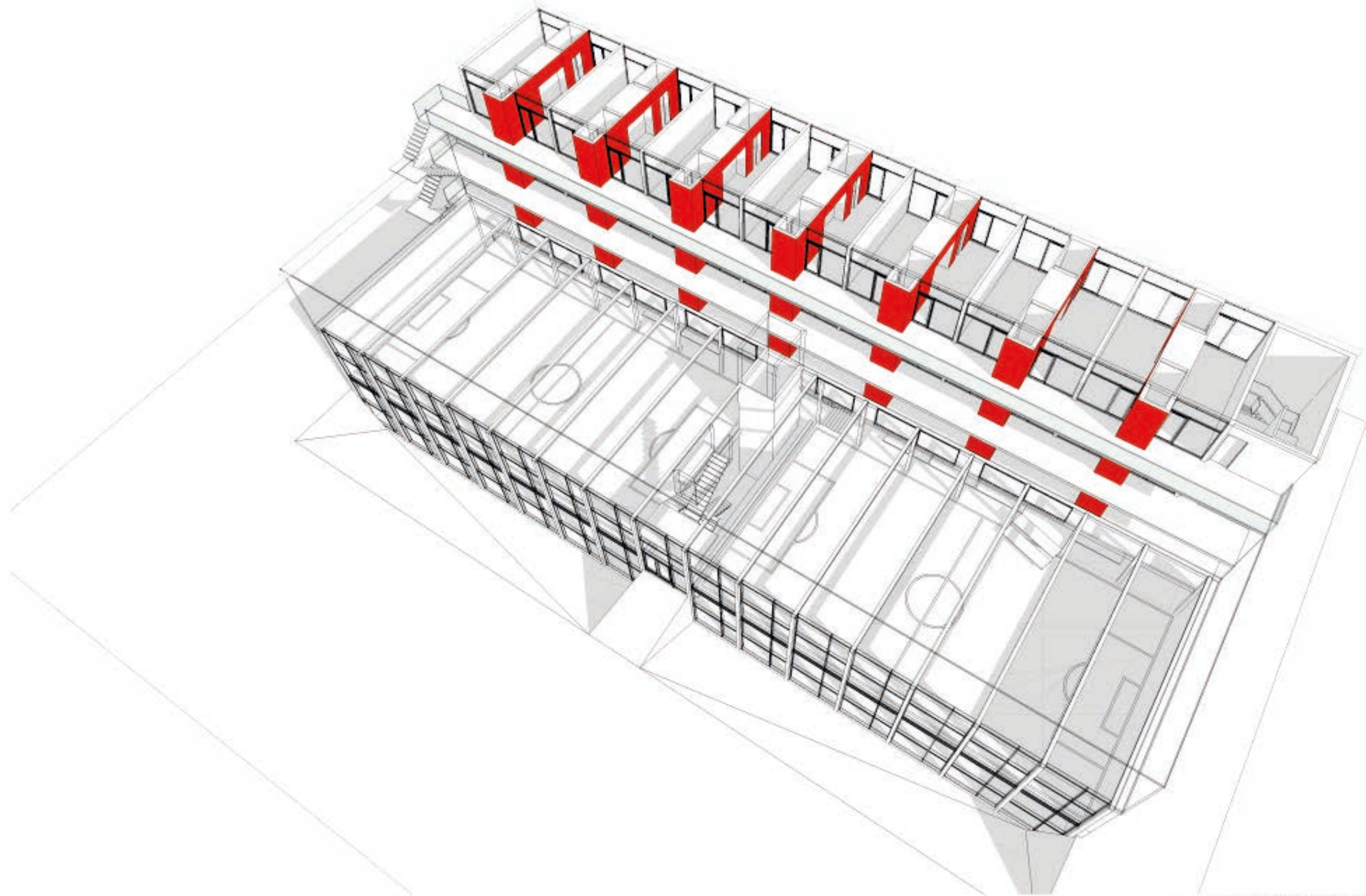






WORKFLOW:  
**VISUALISERING**



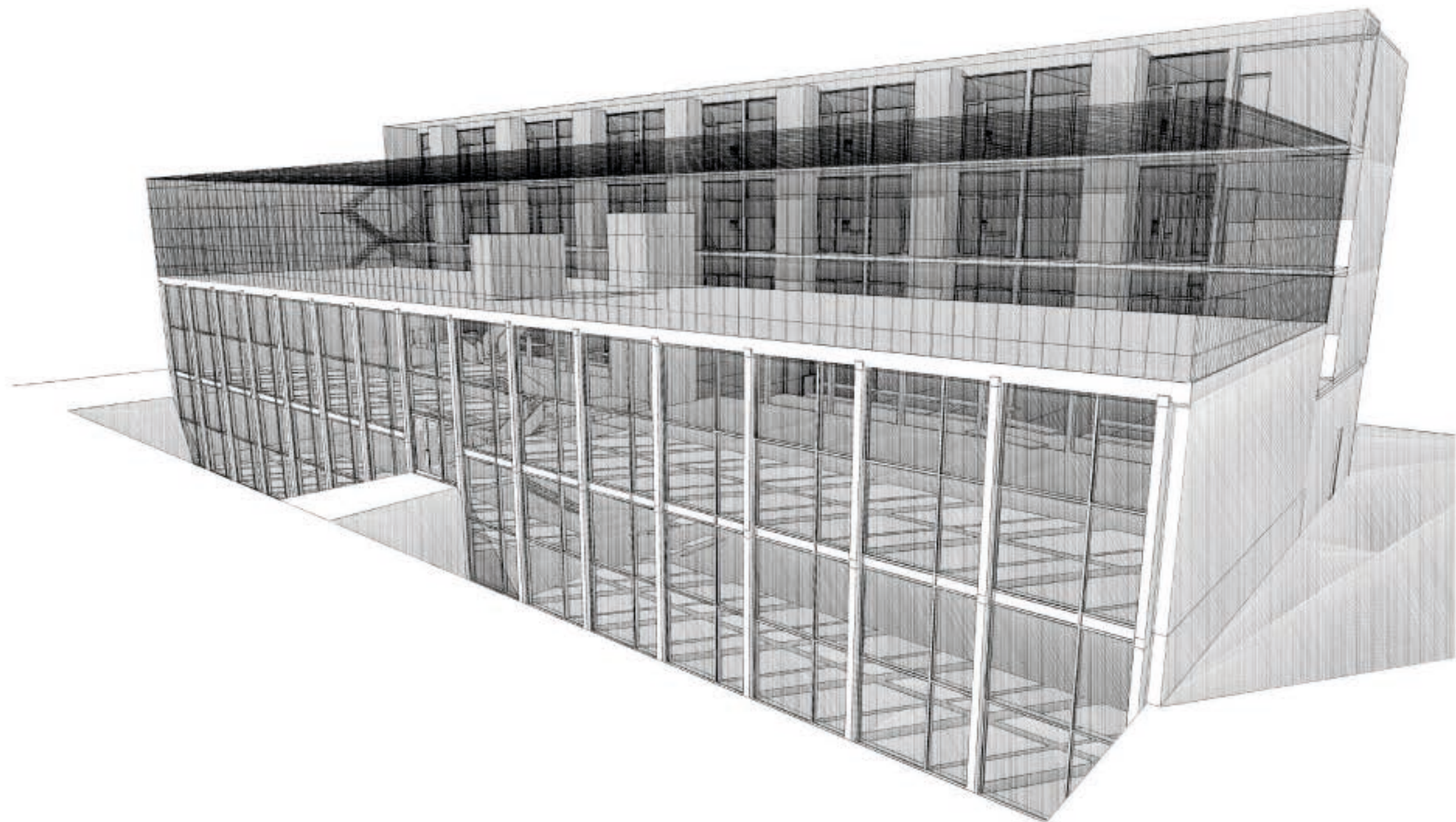







# FODBOLDFABRIKKEN

MUNKEBJERG PARK - delområde 2







CASE:  
**ANNOARK**











**TWINMOTION**







# IMPLEMENTERINGS- STRATEGI





# IMPLEMENTERING AF BIM

- Find en ildsjæl!
- Gå efter lavest hængende frugter.
- Fokuser på at kunne det samme, men hurtigere.
- Invester i takt med projekterne kommer.
- “JIT”-uddannelse.
- Små dedikerede værktøjer, frem for ét program som kan alt.