

FRESH LOOK AT BIM

ArchiCafé XL 7/8 september 2016

 @kubusbv

SAMENWERKEN VOOR HET BESTE
RESULTAAT


focus IT



KUBUS

archisoft
administratieve software voor architecten



archi
tectura.be

SAMENWERKEN VOOR HET BESTE
RESULTAAT

SIMATEK
BIM CONSULTING



KUBUS

archisoft
administratieve software voor architecten

 **CR3DO**
ARCHITECTURE



archi
tectura.be

PROGRAMMA

14.00 - 14.45 : ontvangst

14.45 - 15.00 : welkom | Stefan Eerlingen

15.00 - 16.15 : ARCHICAD 20 a fresh look at BIM | Krijn Voorn

16.15 - 16.30 : archisoft, software voor architecten | Jill Vanhecke

16.30 - 17.00 : pauze | bezoek BIM markt

17.00 - 17.50 : KeyMember editie, bibliotheken en werkmethoedieken | Laura Vanderhoven

17.50 - 18.20 : live demo archisoft & ARCHICAD koppeling

18.20 - 19.30 : pauze inclusief buffet | bezoek BIM markt

19.20 - 20.30 : BIM toegepast op kleine projecten | Aeon Architecten

20.30 - : Receptie | bezoek BIM markt



HEEFT U EEN VRAAG? WIJ HEBBEN HET ANTWOORD



CHRISTIAN DALHUIZEN



ROB SMULDERS



JEROEN DE BRUIN



ANNE DE RUIJTER



RONALD DE GRAAN



ERNST STEPPON



JOCHEM ALFERINK



DENISE BOS



ANDRÉ SCHNABEL



LYNN VAN OSSELAER



LAURA VANDERHOVEN



Hulp nodig?
Chat met de Helpdesk



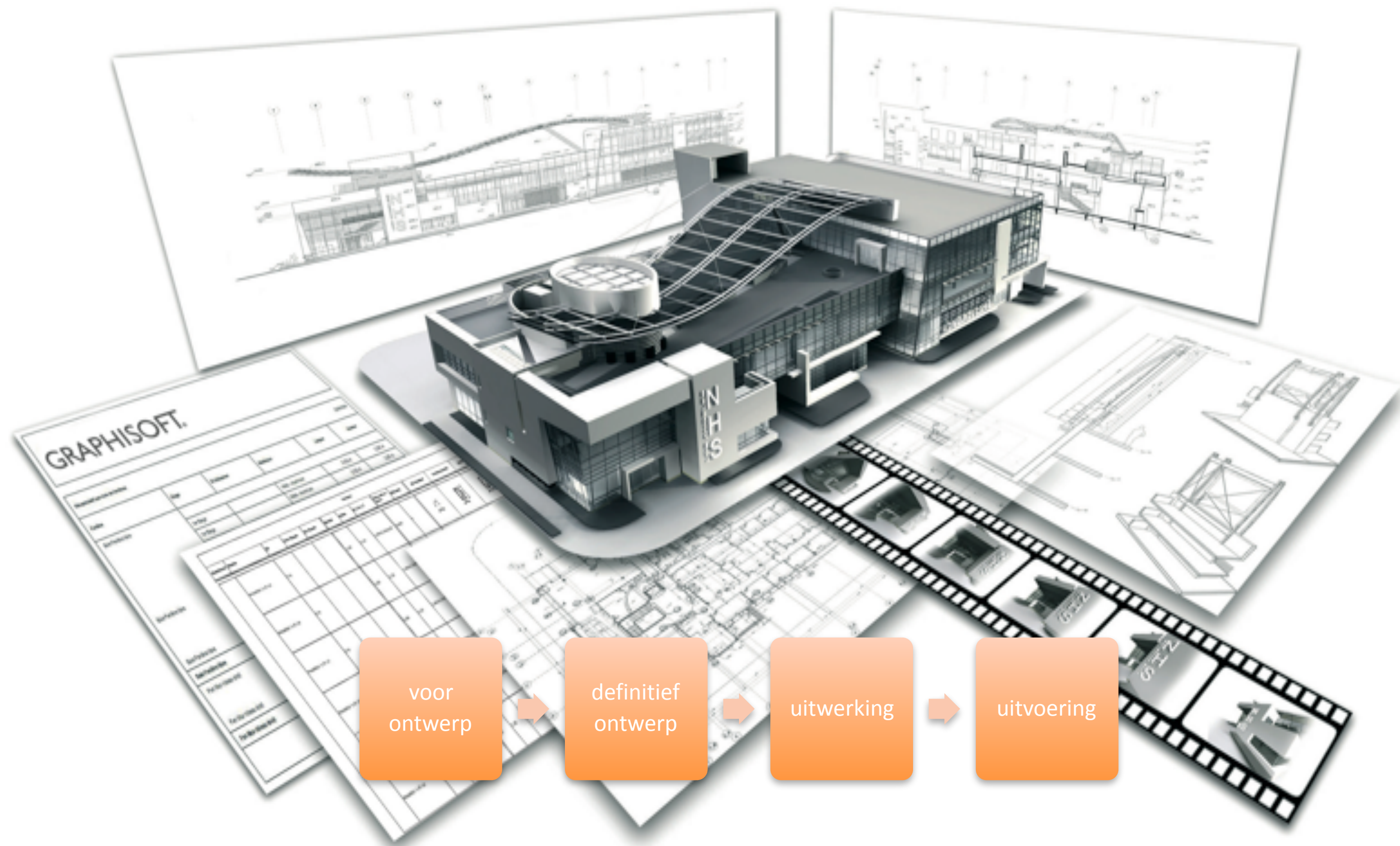


ARCHICAD

20

A row of tall, reflective, cylindrical columns stands in a city at dusk. The columns are highly polished and reflect the surrounding environment, including buildings and the sky. In the background, a classical building with a pediment and columns is visible. The sky is a mix of blue and orange, indicating the time is either dawn or dusk. The overall scene is a modern architectural installation in an urban setting.

GRAPHISOFT.
ARCHICAD 20

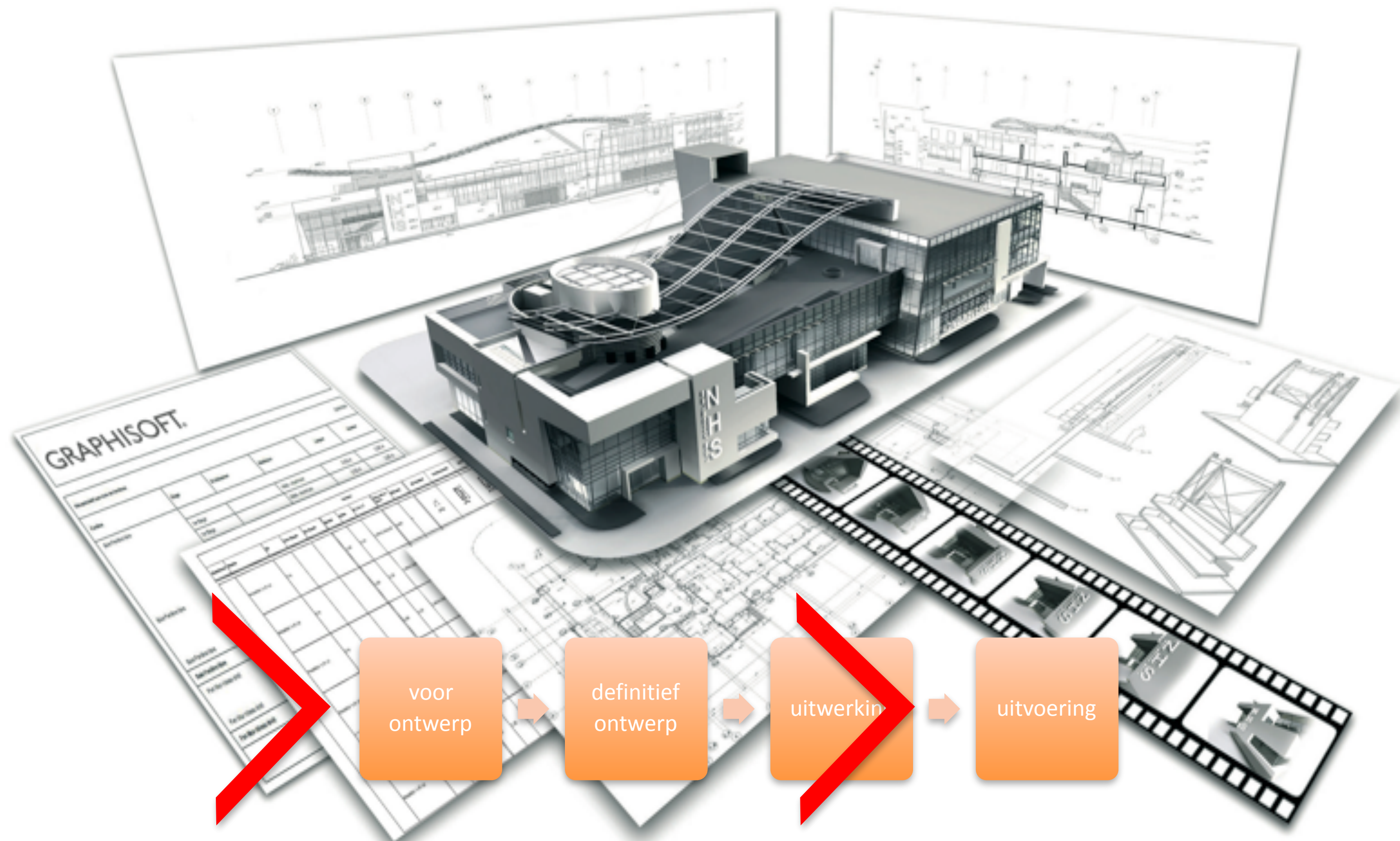


voor
ontwerp

definitief
ontwerp

uitwerking

uitvoering



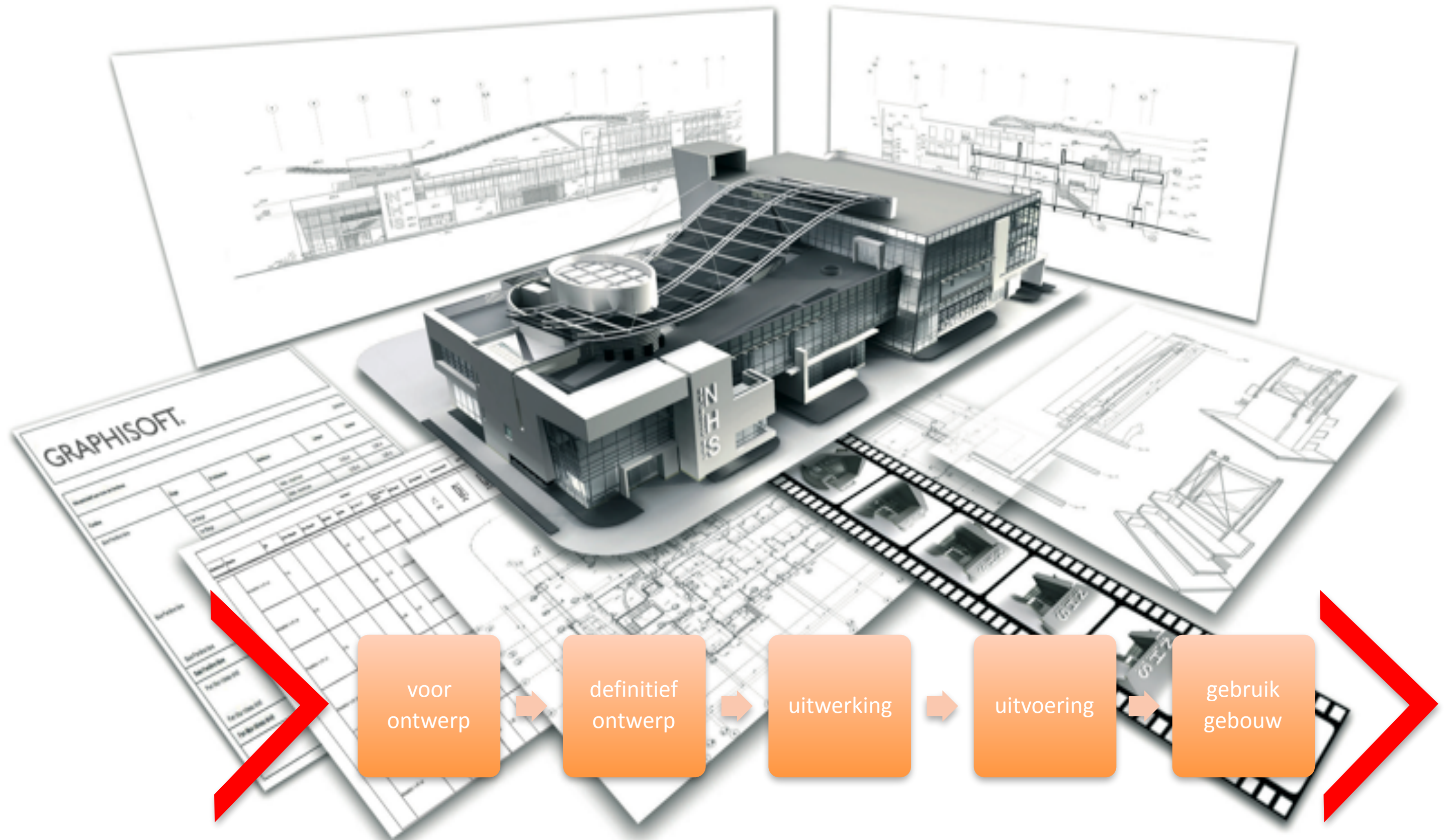
GRAPHISOFT

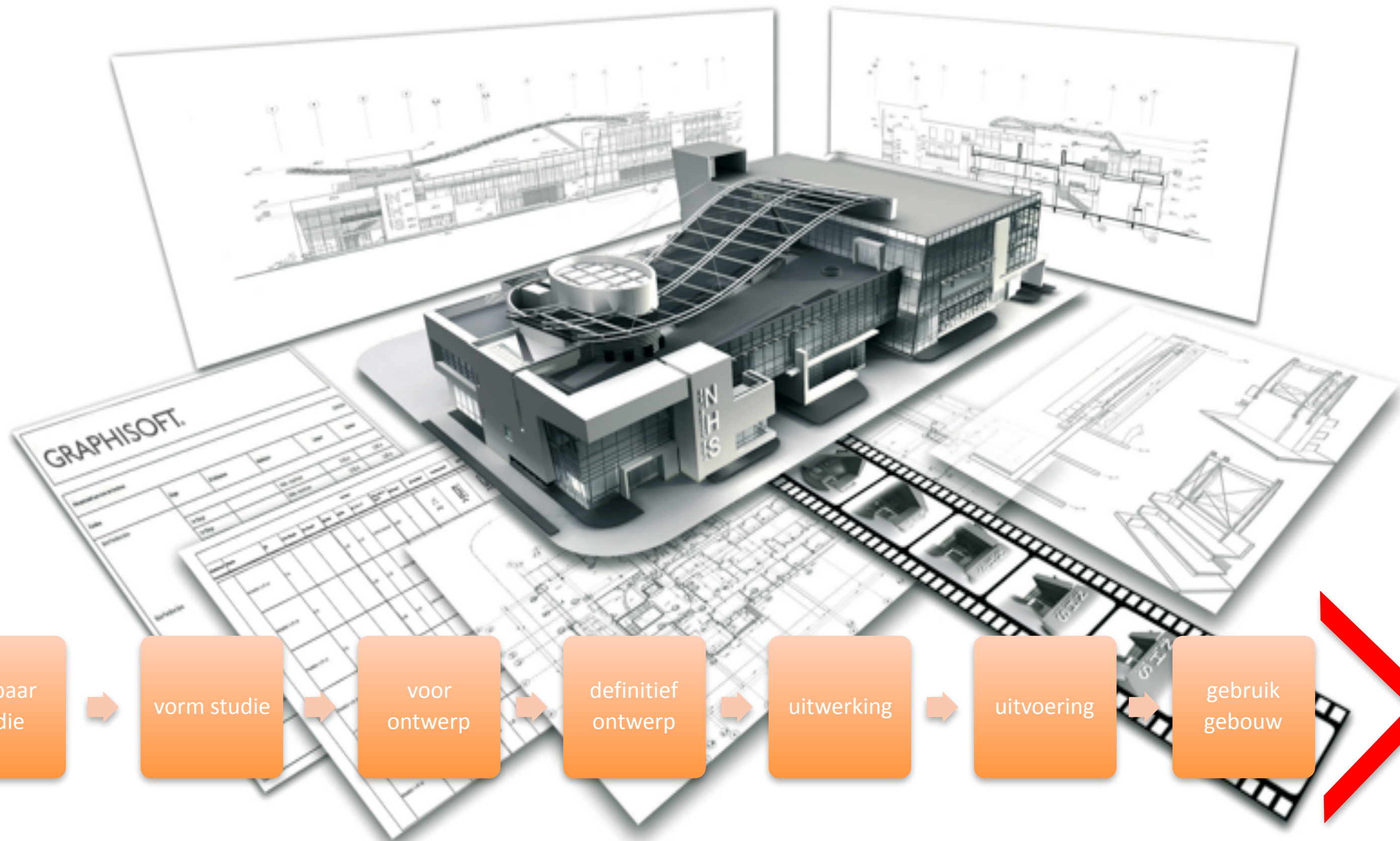
voor
ontwerp

definitief
ontwerp

uitwerking

uitvoering







DEMO

KUBUS

Rhinoceros[®]



Rhinoceros®



Rhinoceros®



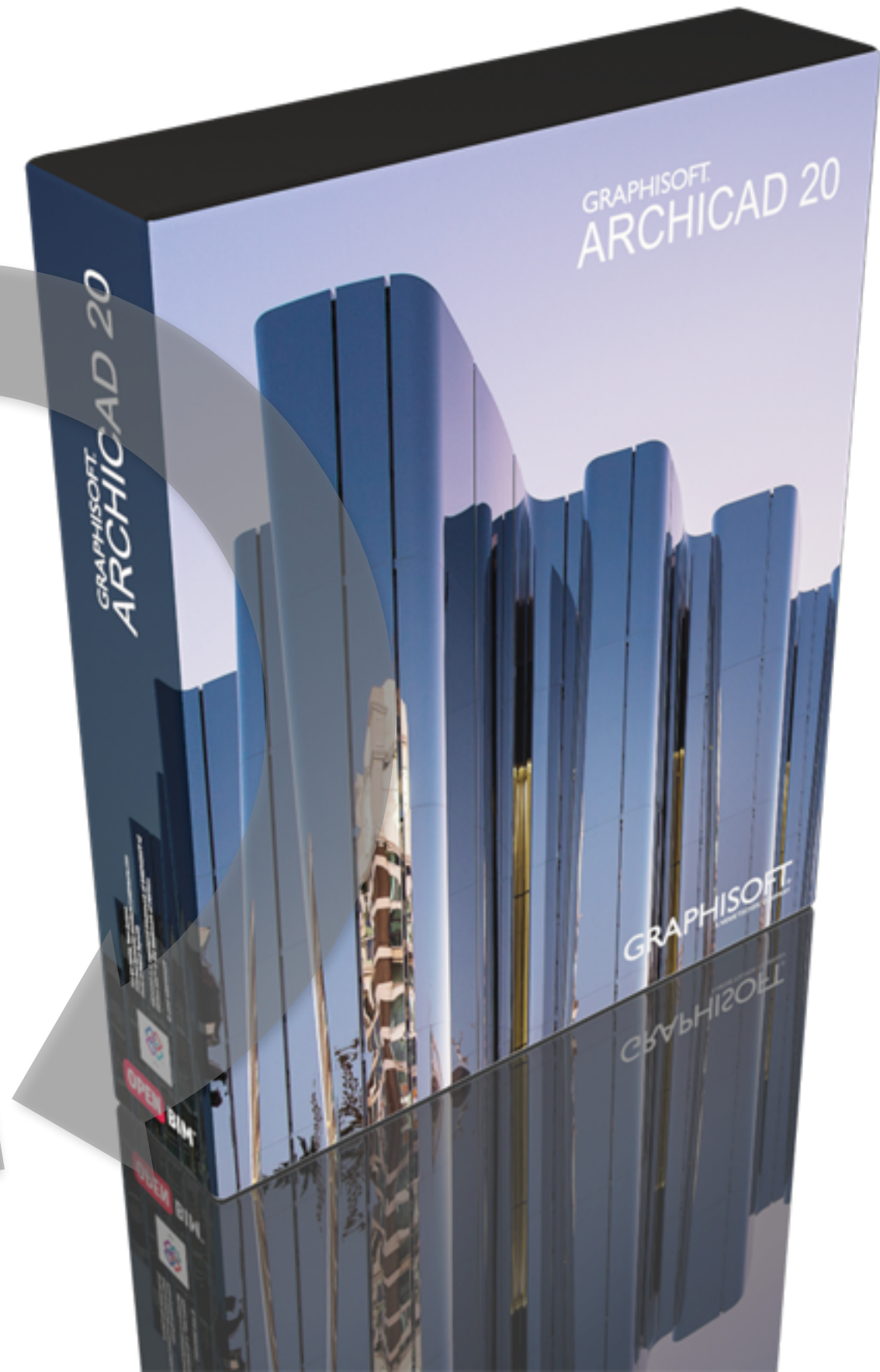
PARAMETRISCH

ENTWERFEN

Rhinoceros®

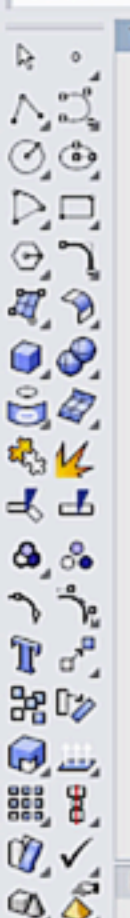


Rhinoceros®

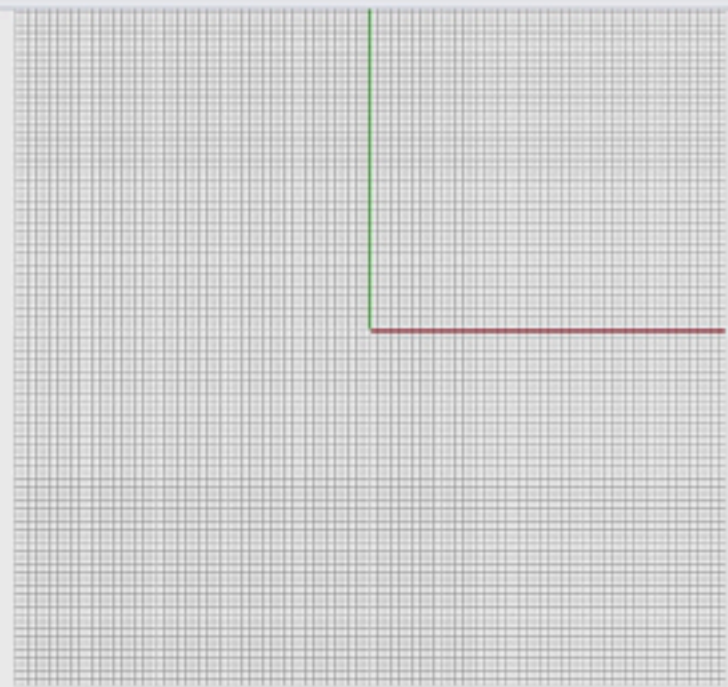


Command: Grasshopper

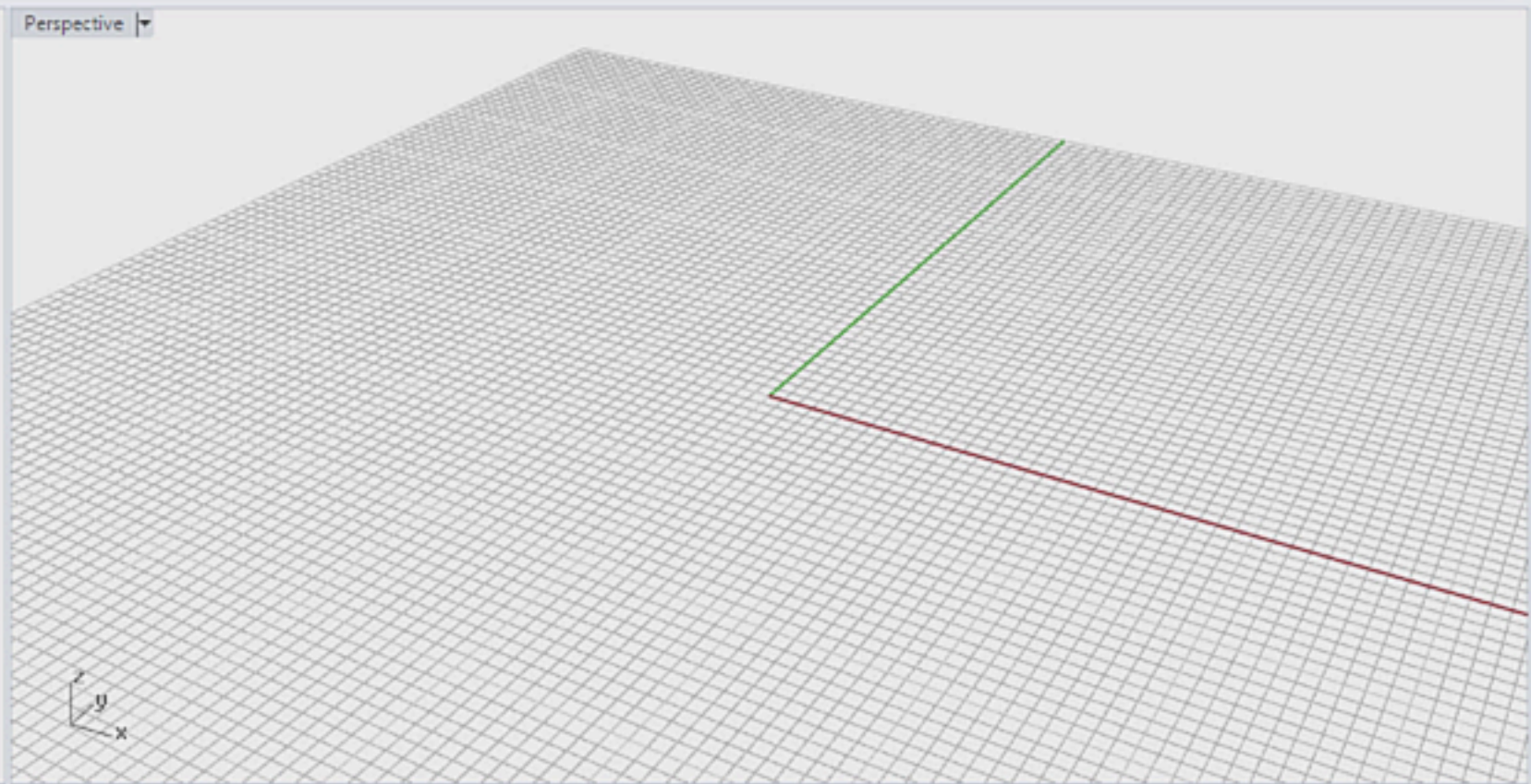
Command:



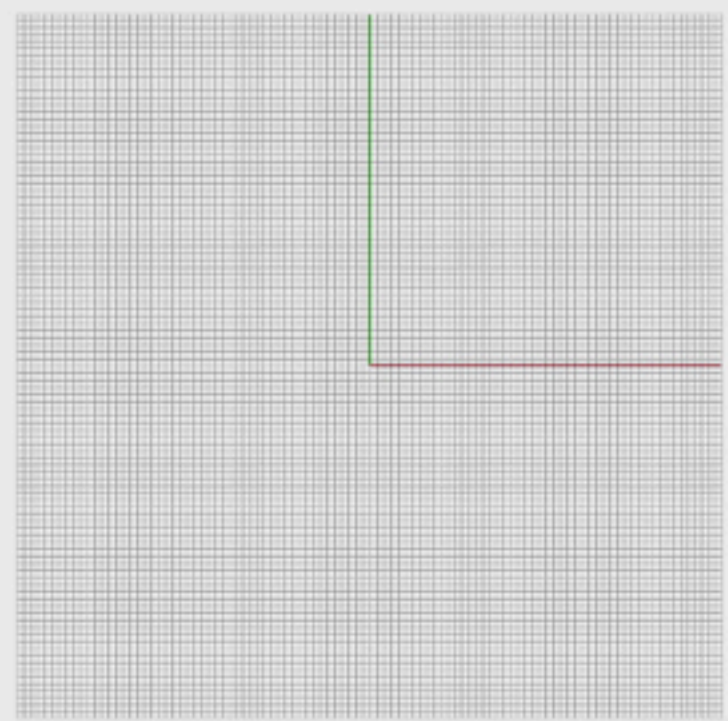
Top



Perspective



Front

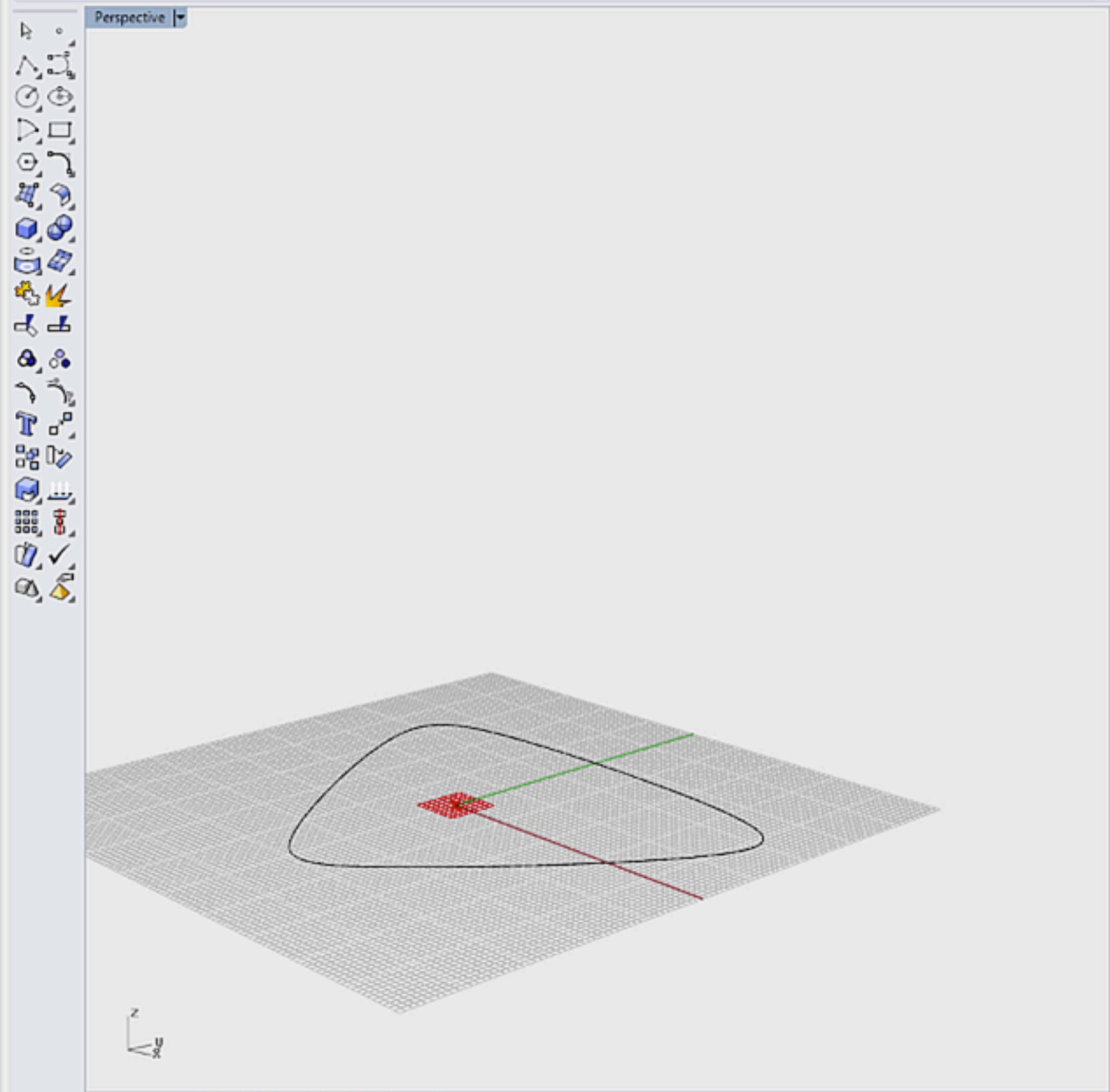


Right



Perspective Top Front Right

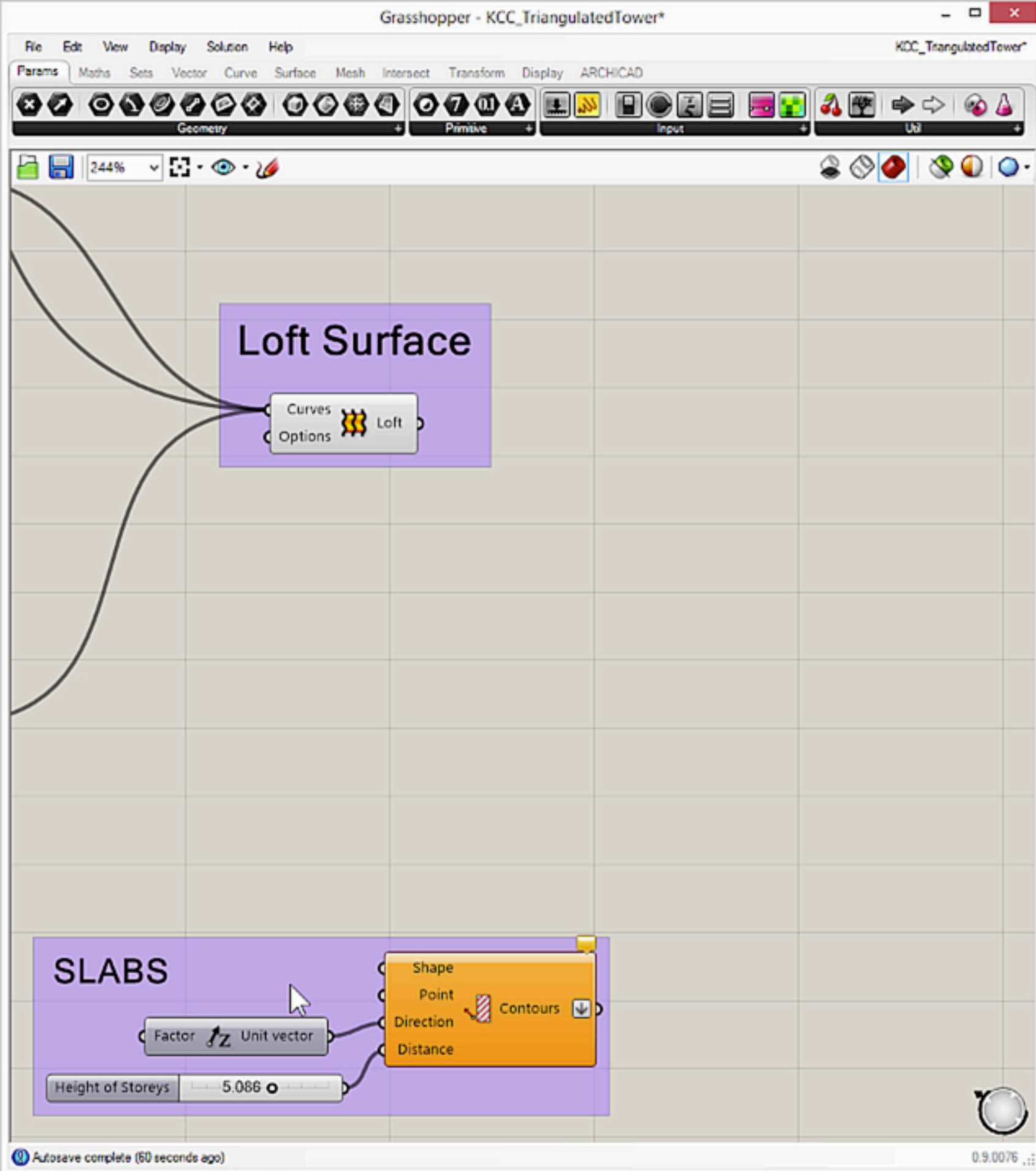
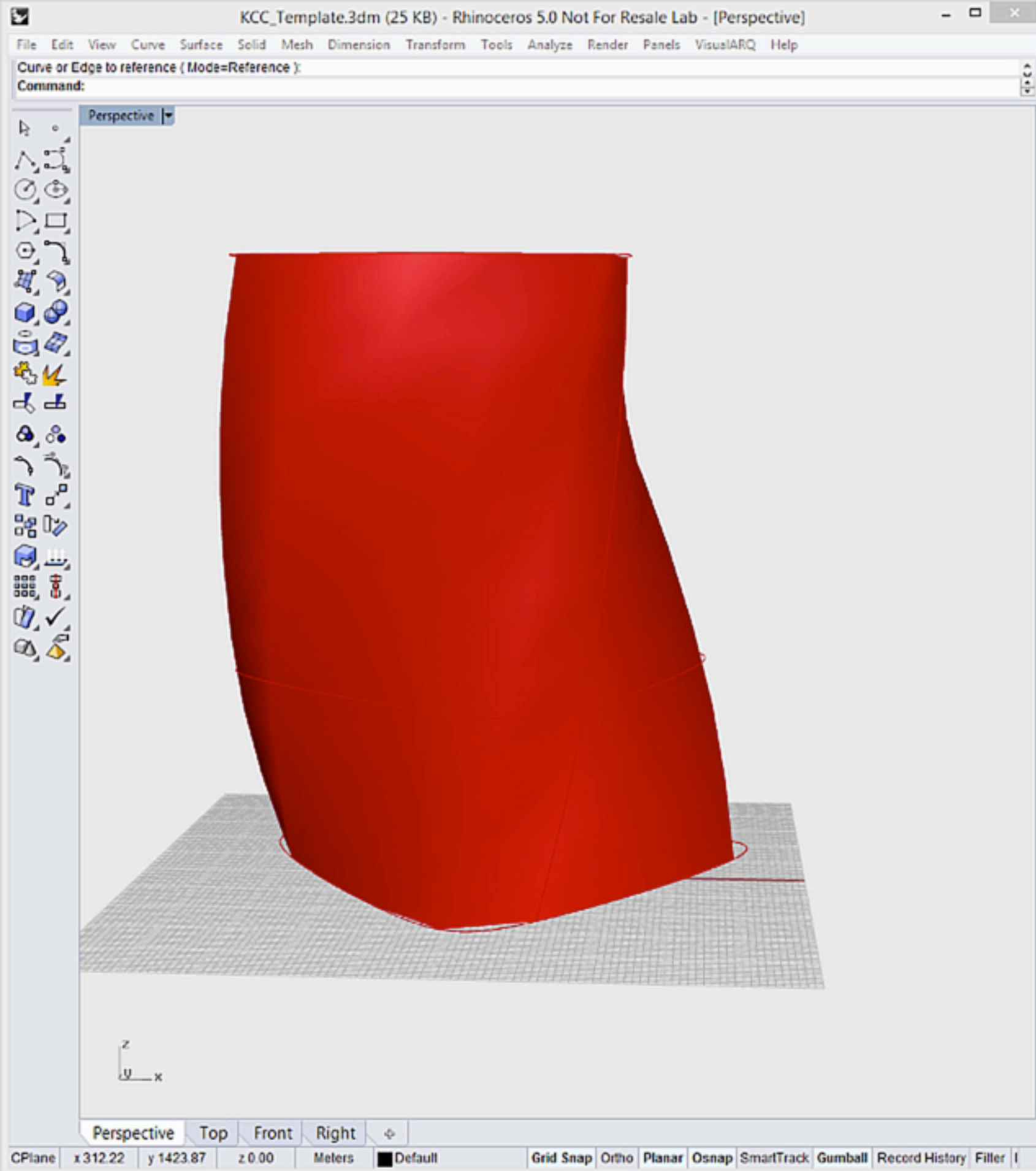
Command: _Delete
Command:



Params Maths Sets Vector Curve Surface Mesh Intersect Transform Display ARCHICAD
Geometry Primitive Input UI

244% [Icons]





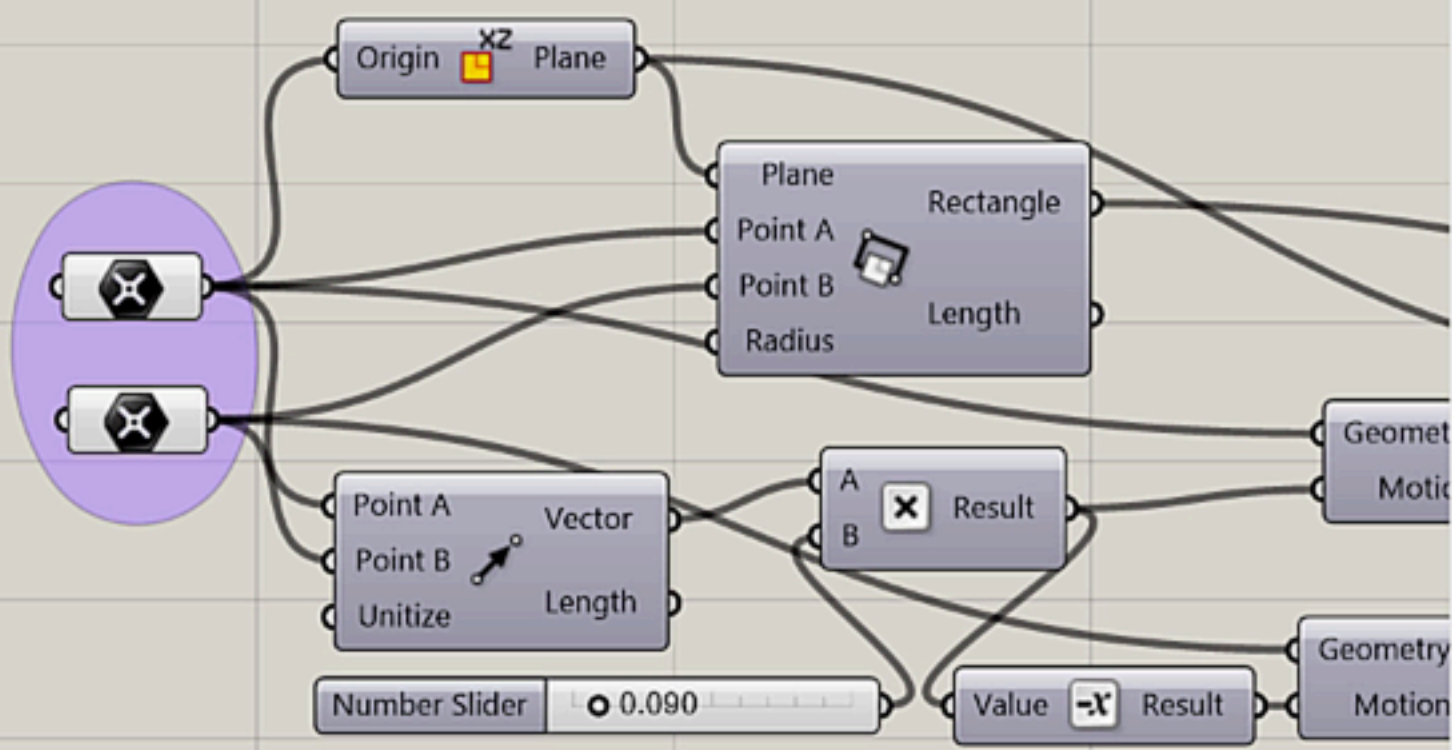
File Edit View Display Solution Help

Params Maths Sets Vector Curve Surface Mesh Intersect Transform Display ARCHICAD

Design Document Input Parameters Reshape Settings

156%

Autosave complete (26 seconds ago)

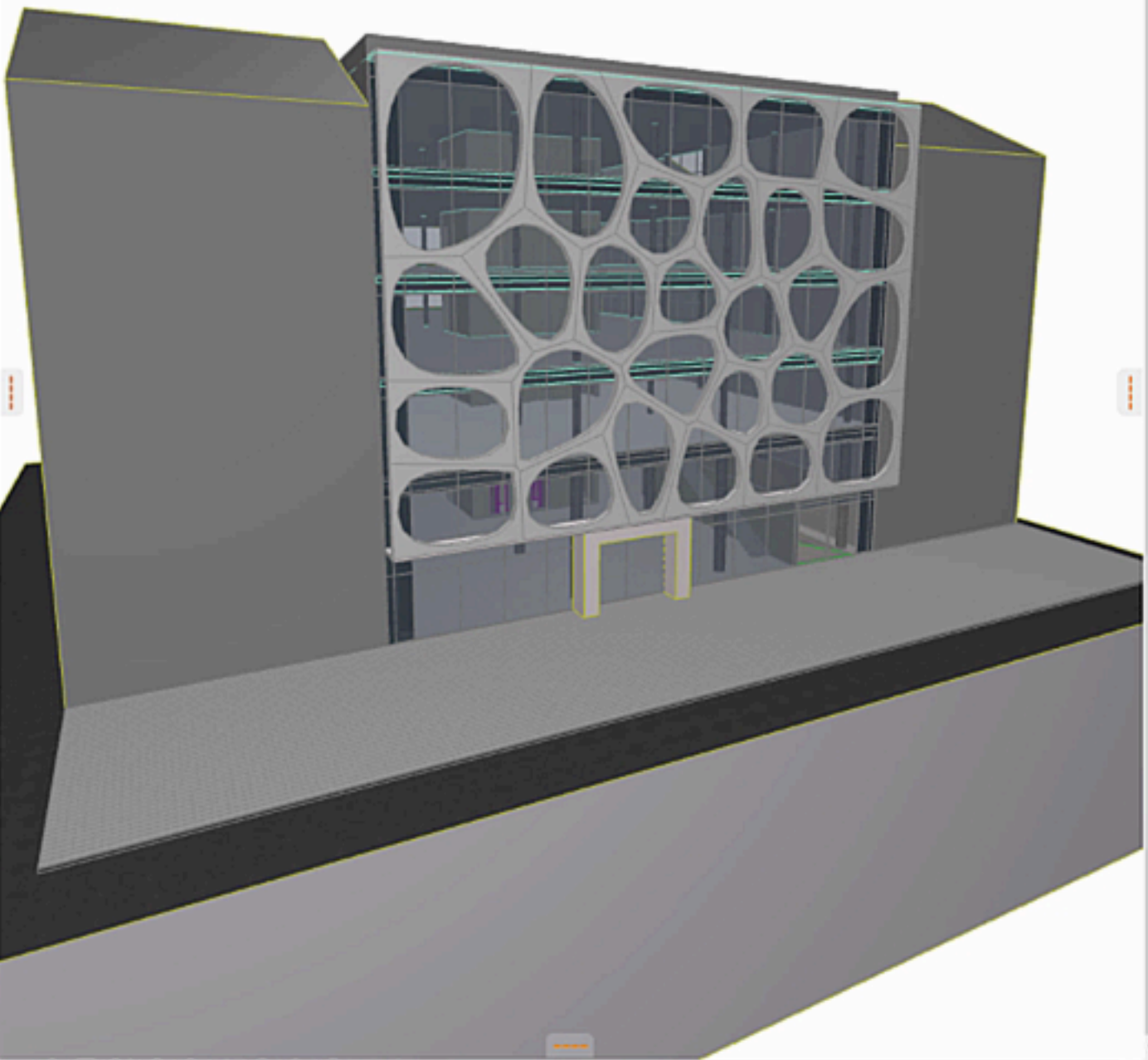


File Edit View Design Document Options Teamwork Window Help

0. Ground Floor 02 Facade 06 Renderings

Toolbox

- Select
 - Arrow
 - Marquee
- Design
 - Wall
 - Door
 - Window
 - Column
 - Beam
 - Slab
 - Stair
 - Roof
 - Shell
 - Skylight
 - Curtain Wall
 - Morph
 - Object
 - Zone
 - Mesh
- Document
- More



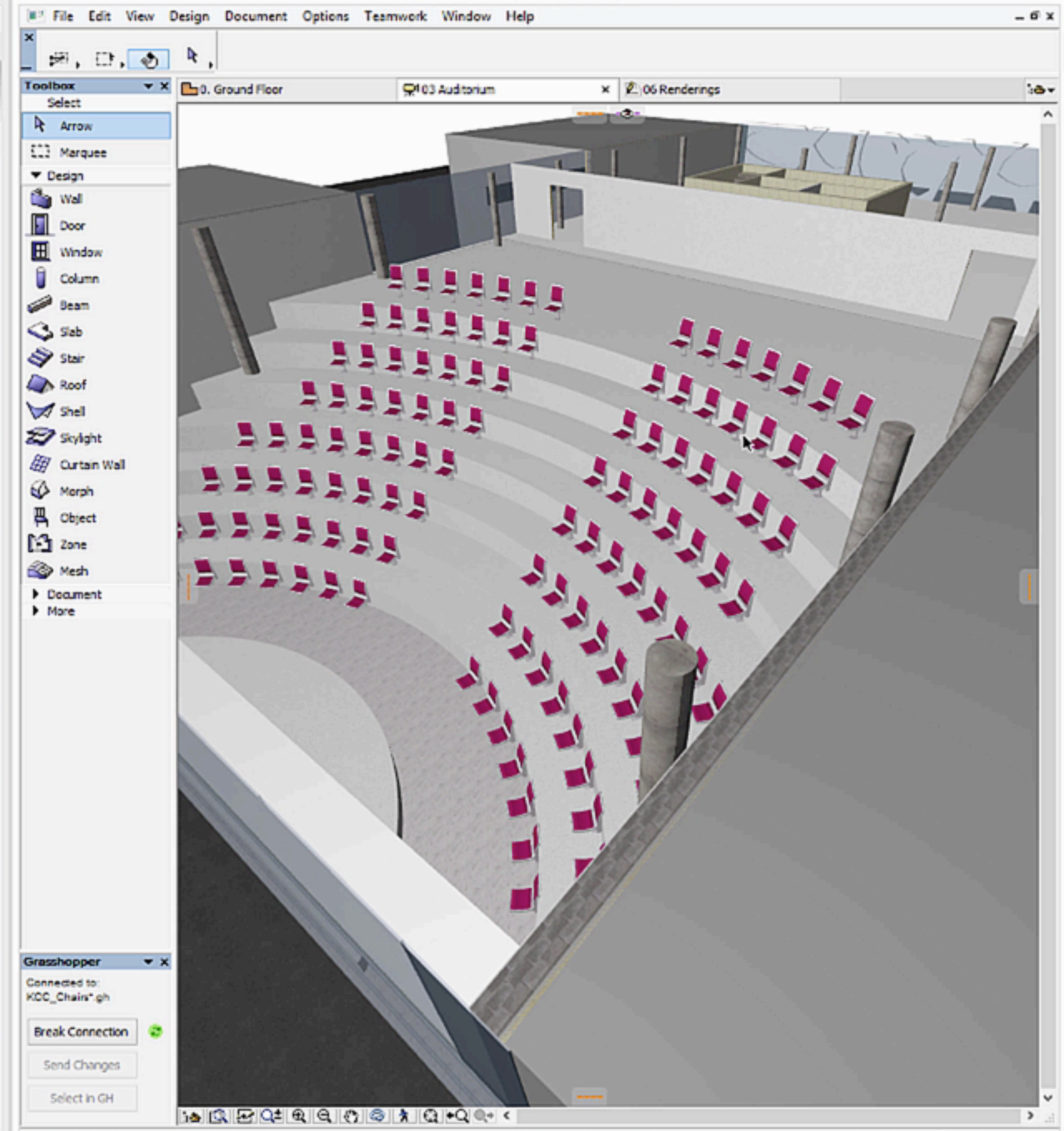
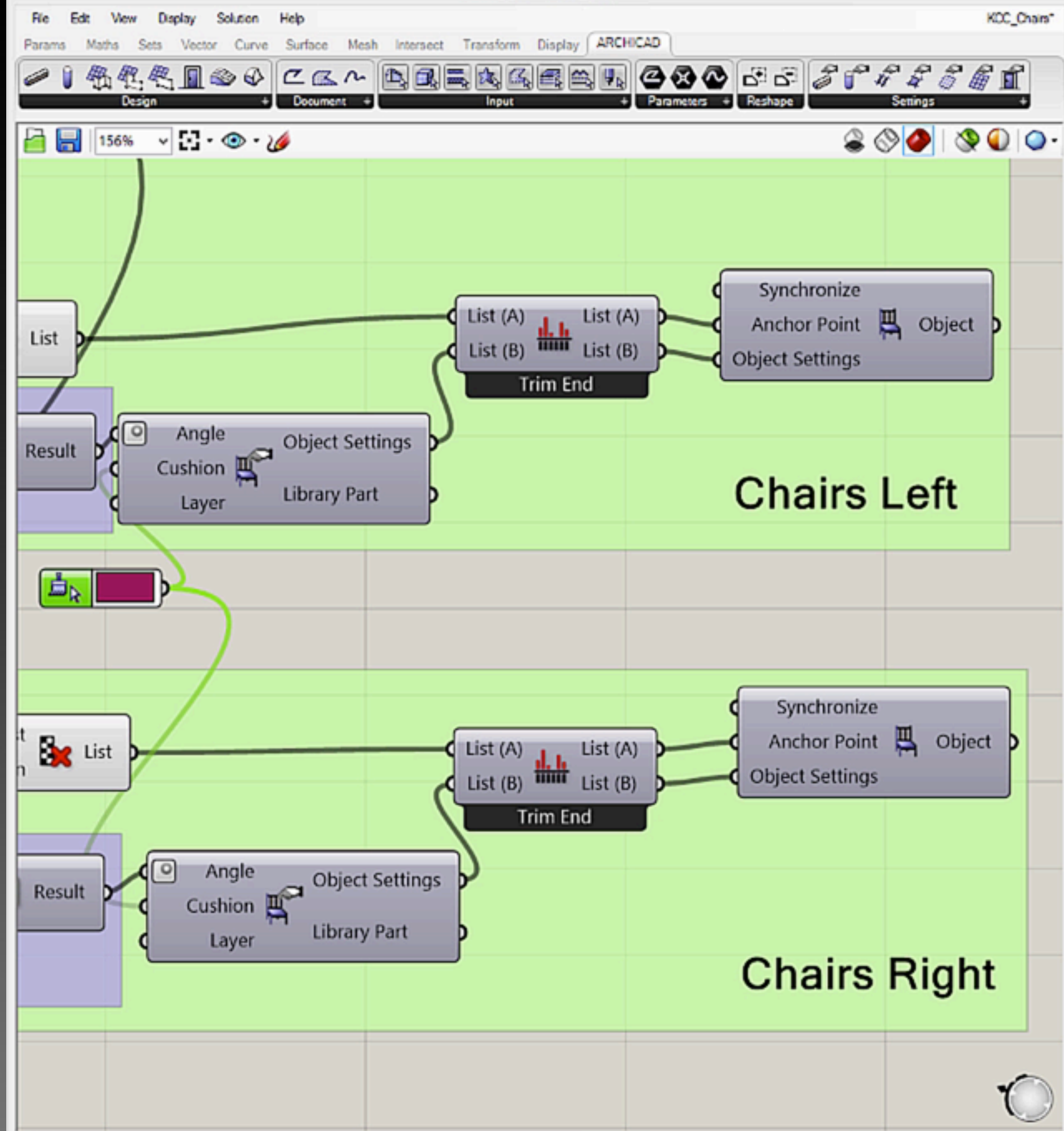
Grasshopper

Connected to: KCC_VoronoiFacade*.gh

Break Connection

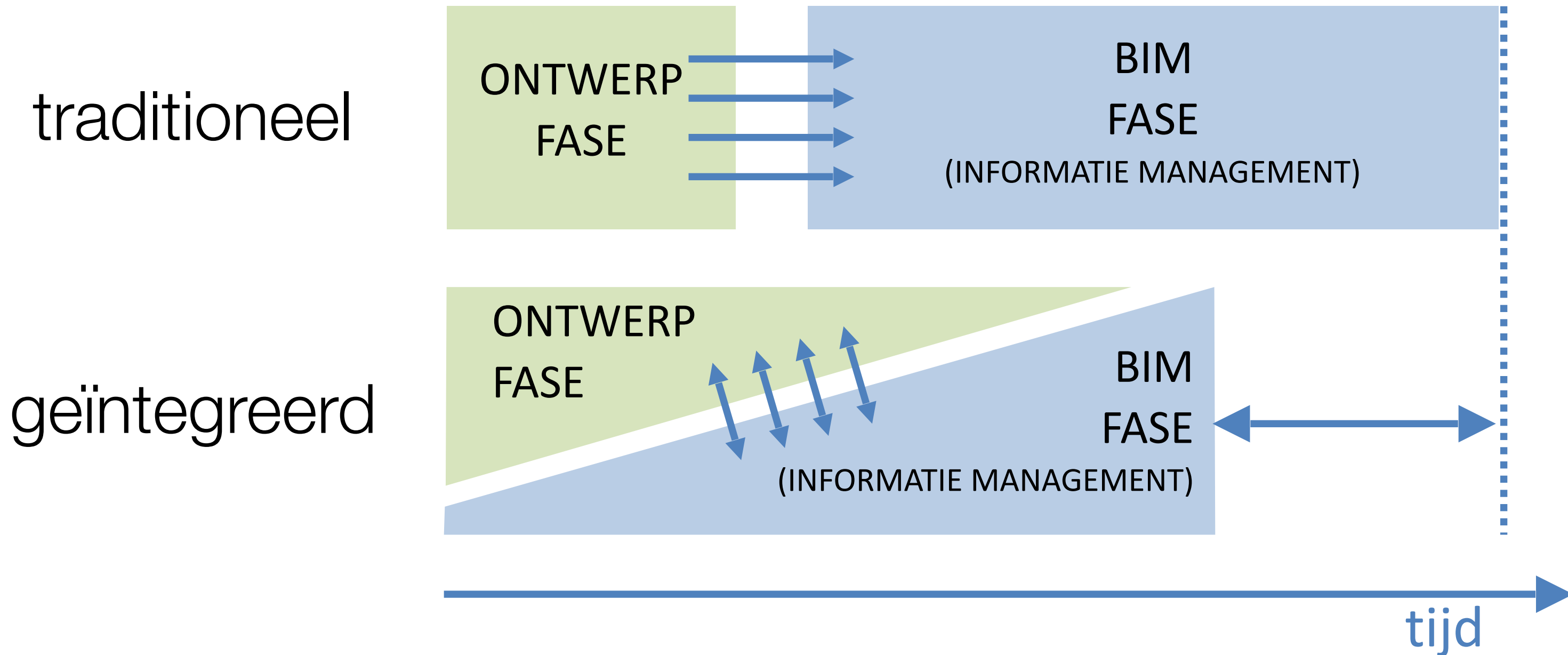
Send Changes

Select in GH



Key benefits Grasshopper-ARCHICAD integratie

“beter ontwerp in minder tijd”





OPTIMALE
DESIGN
OPLOSSINGEN

Grasshopper[®]

Rhinoceros[®]



GRAPHISOFT
ARCHICAD 20

GRAPHISOFT
ARCHICAD 20

GRAPHISOFT

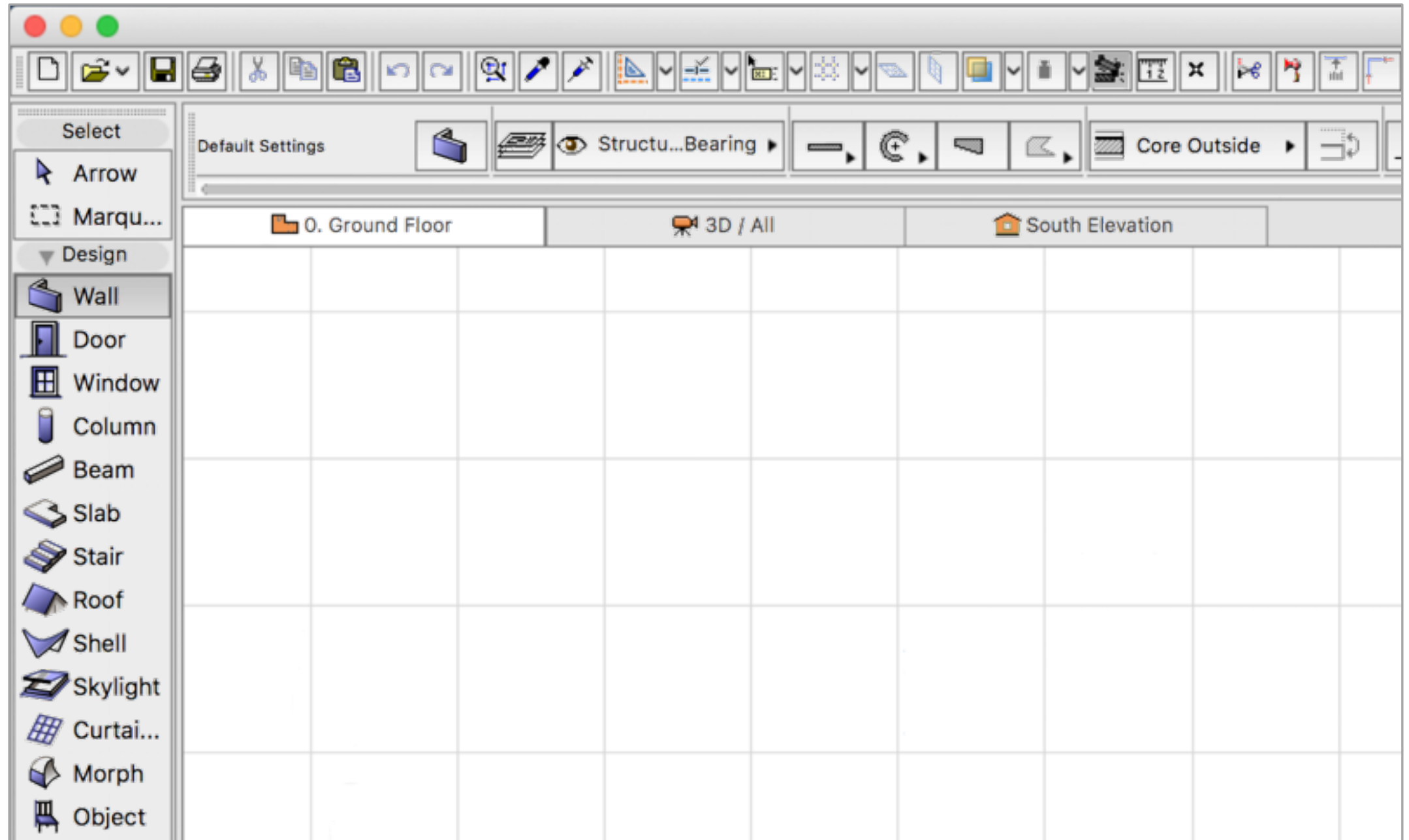
GRAPHISOFT

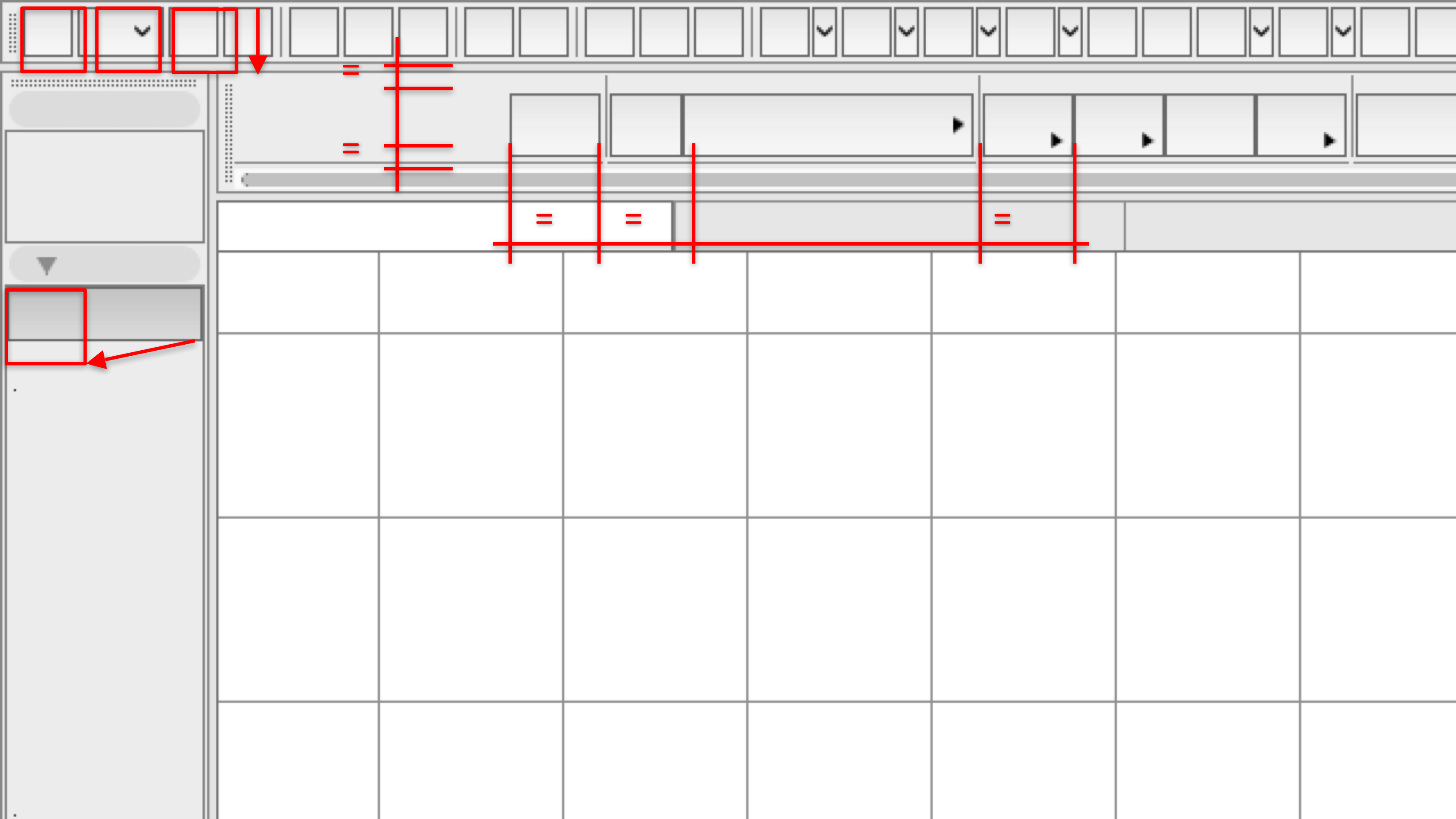
OPEN BIM

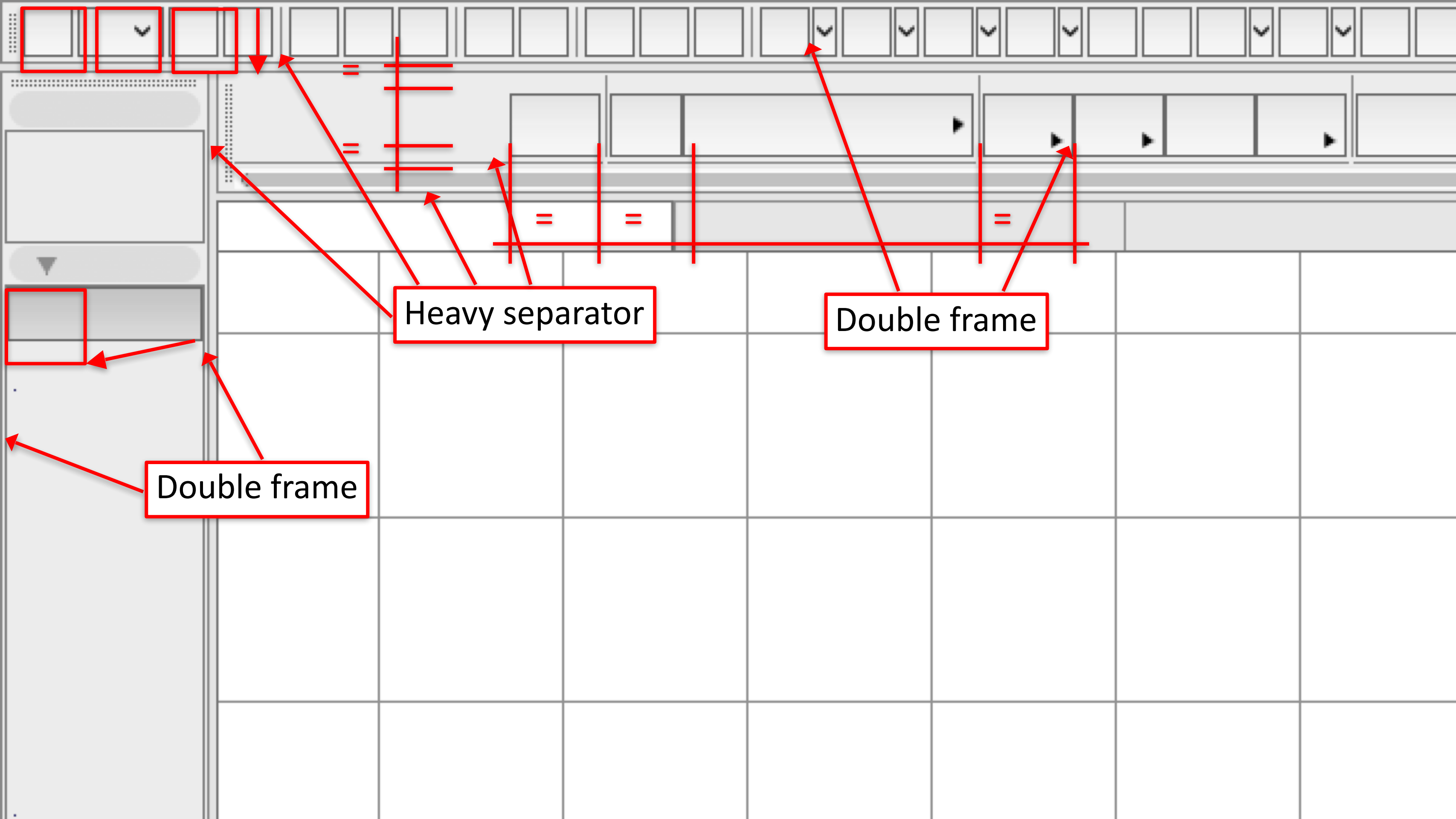
herkenbaar fun

modern efficiënt

vriendelijk clean



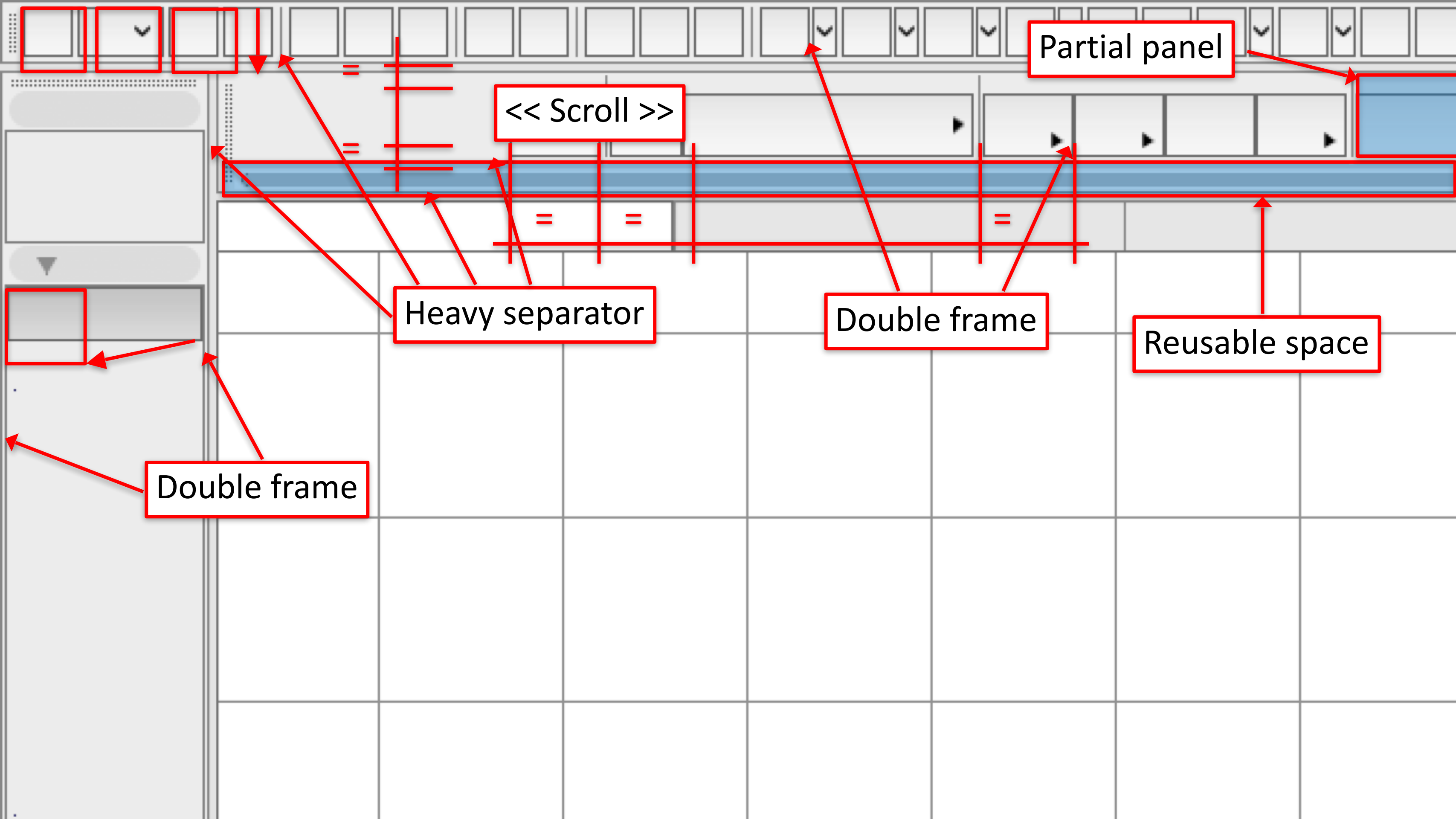




Heavy separator

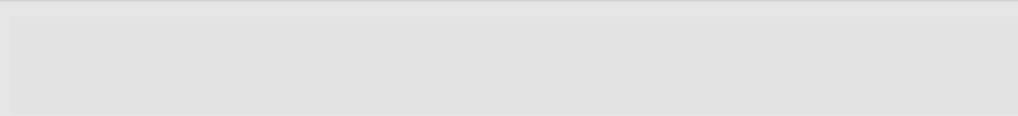
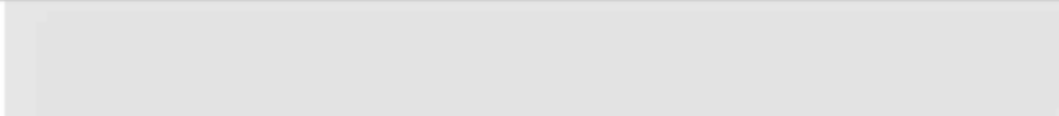
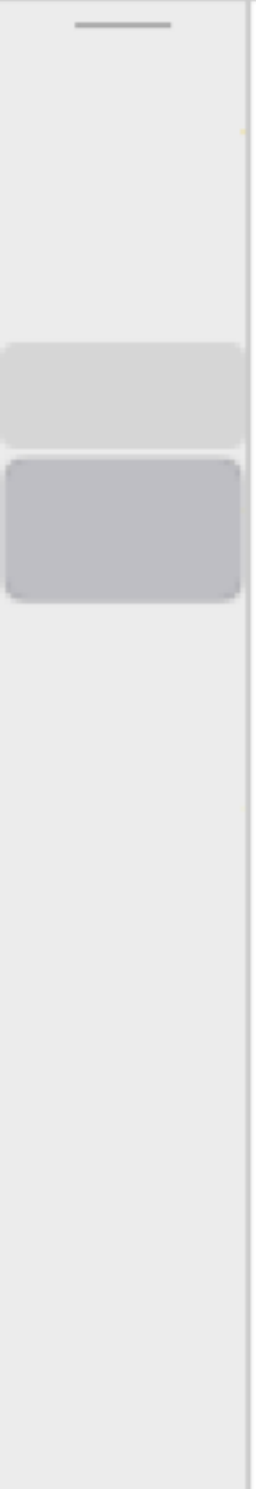
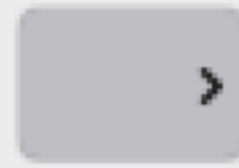
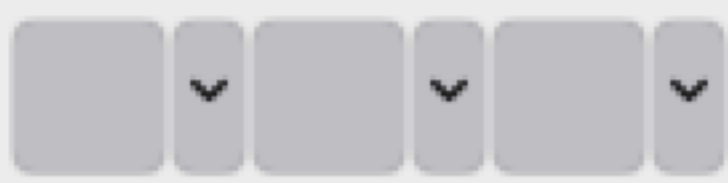
Double frame

Double frame



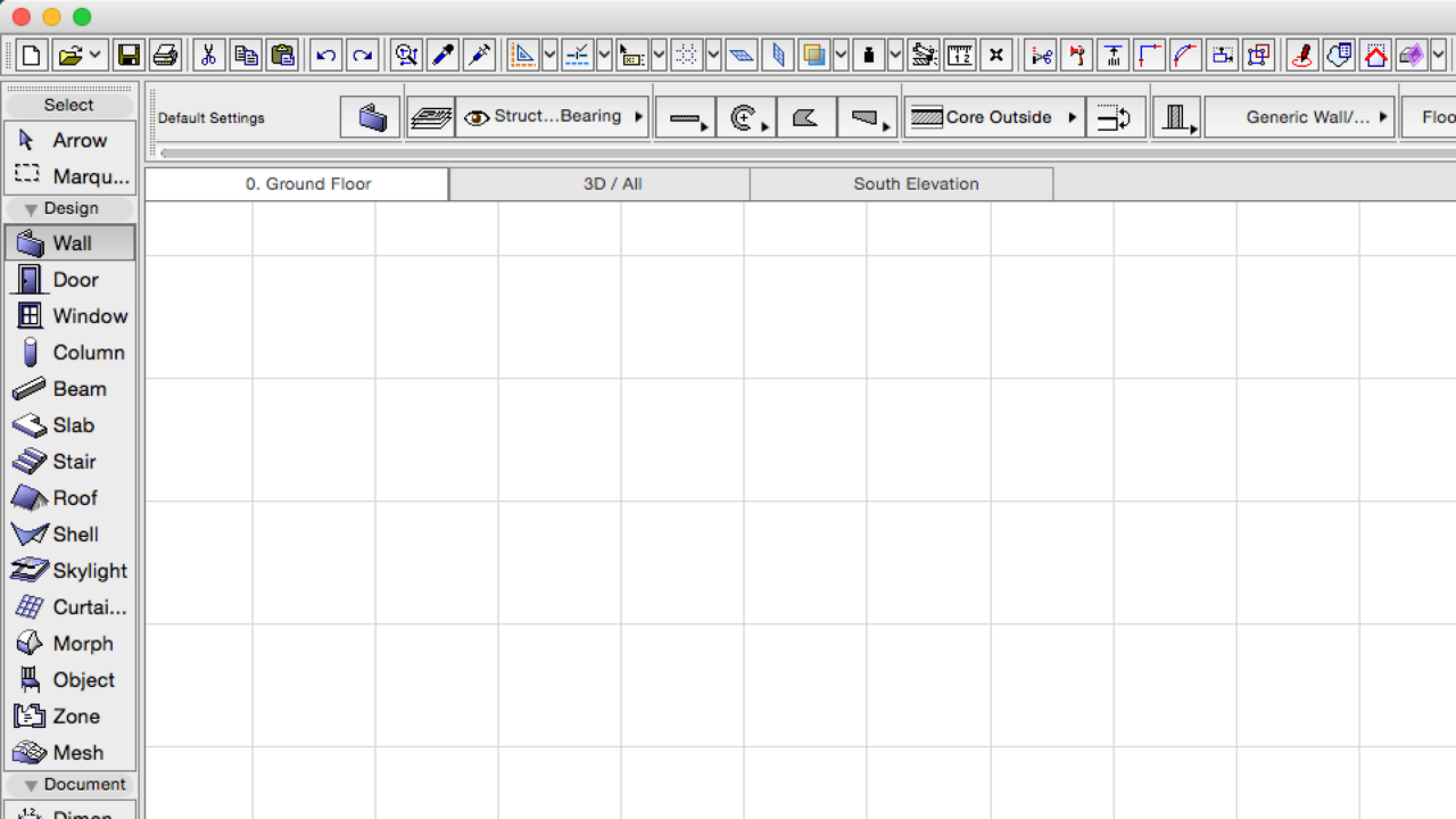
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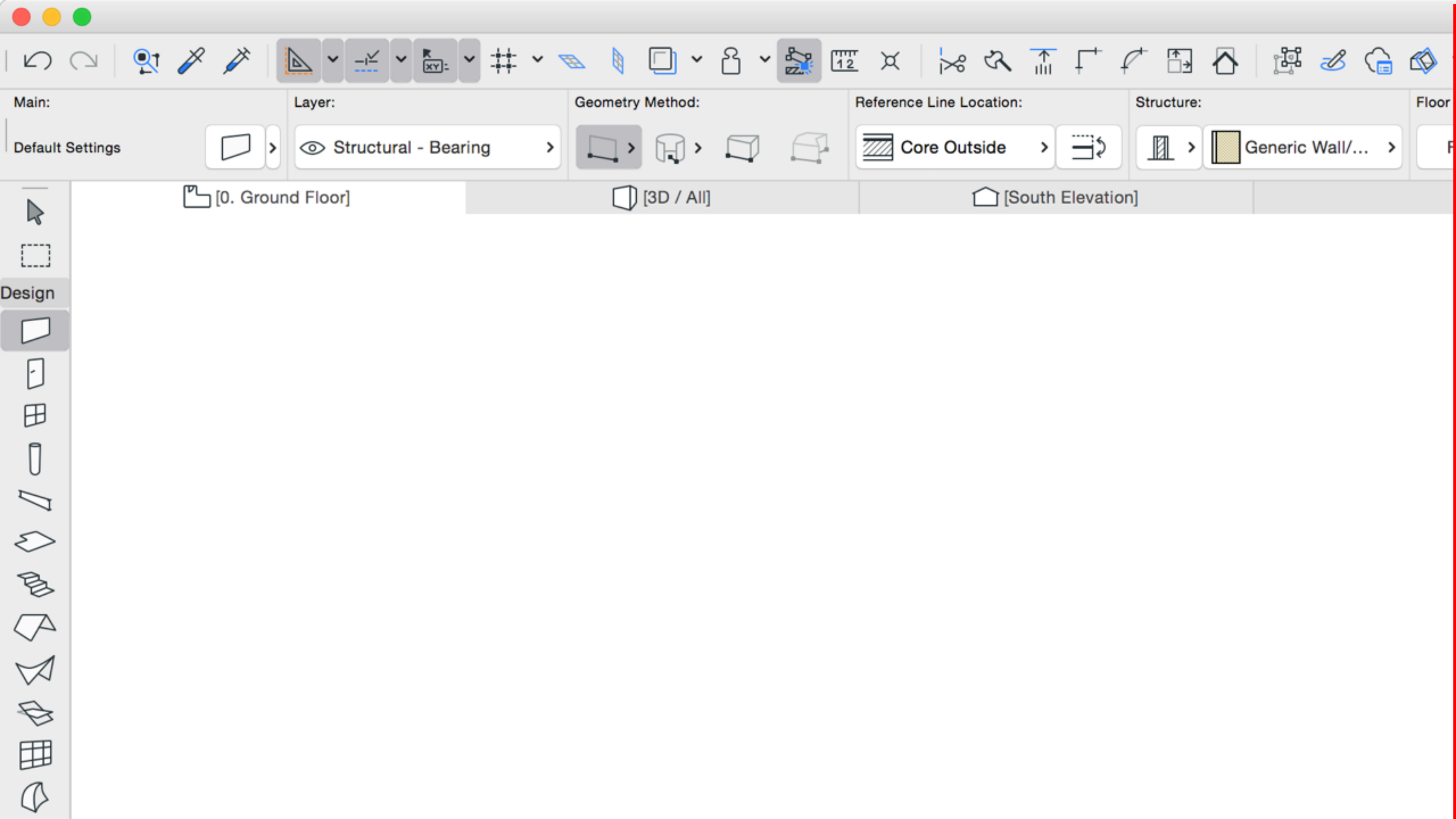
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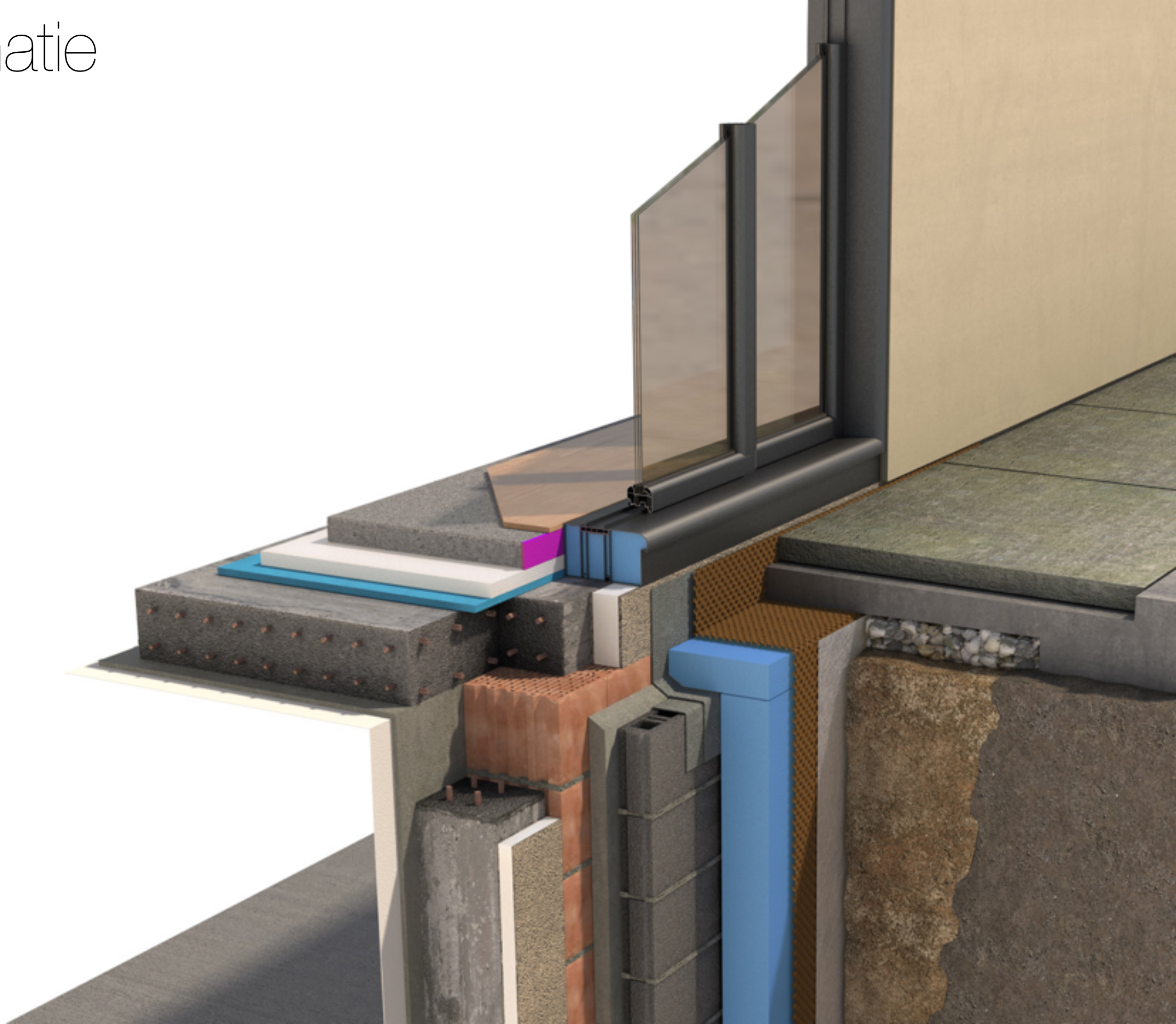
MOBILE & DESKTOP CONVERGE



BUILDING INFORMATION MODELING

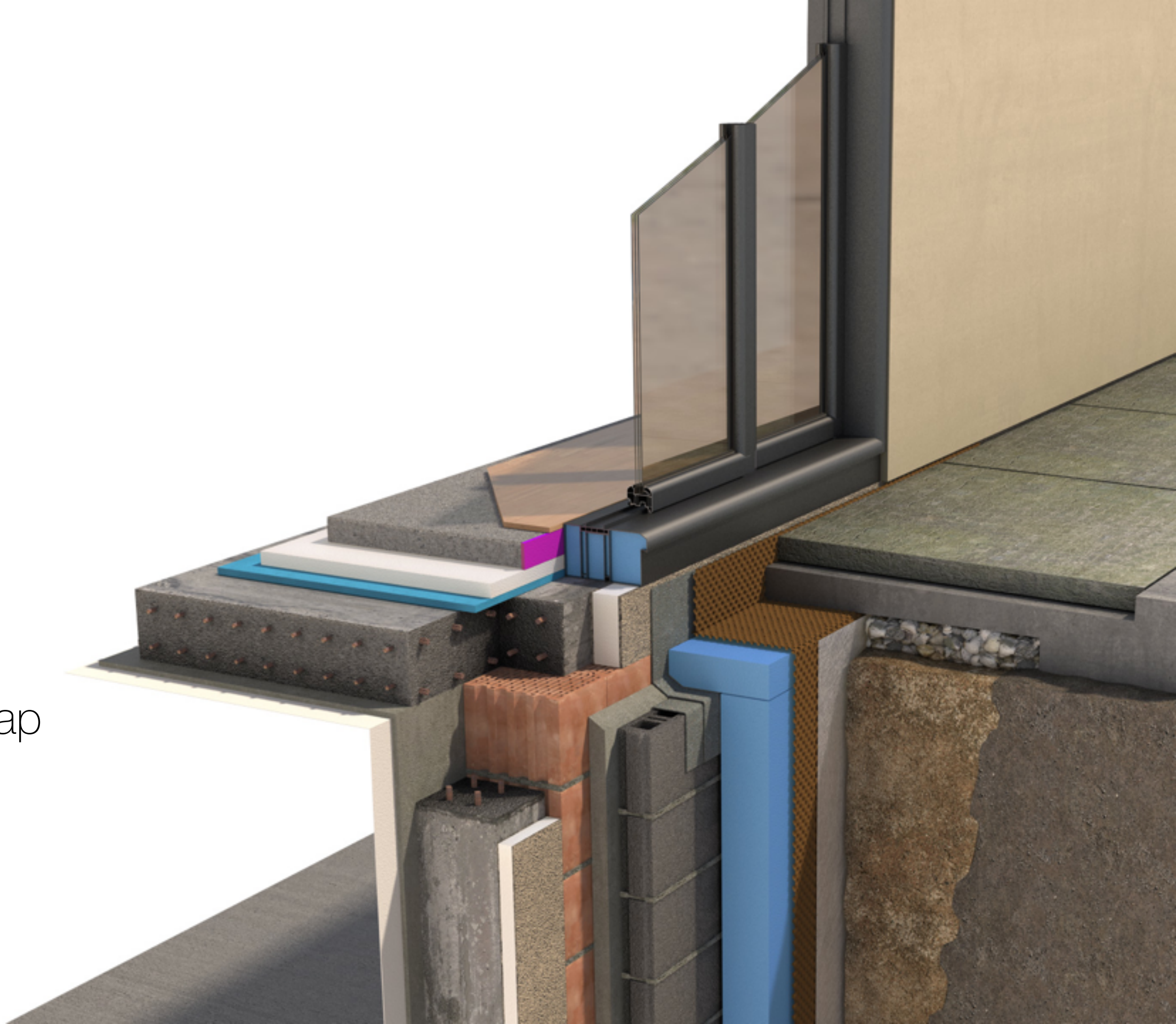
Geometrische informatie

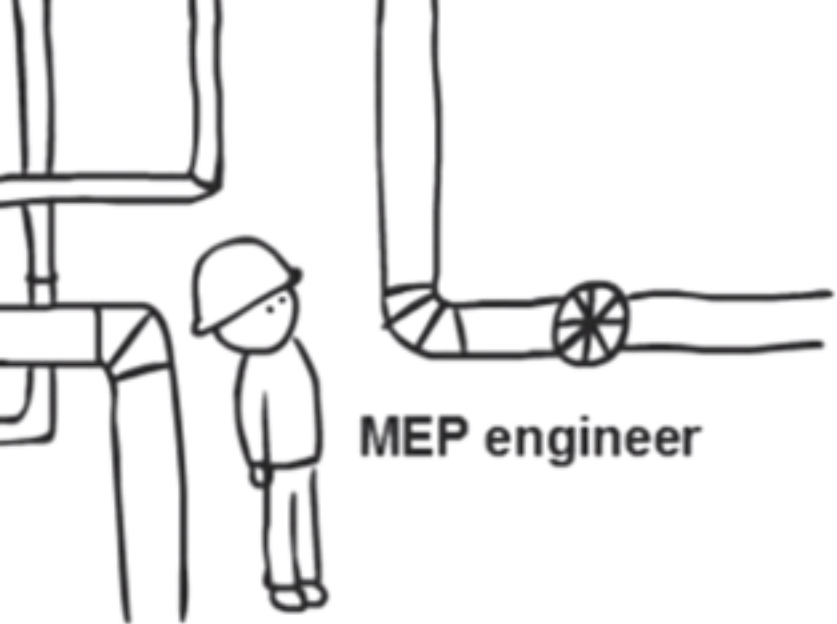
- Breedte
- Hoogte
- Dikte
- Volume
- Oppervlakte
- Positie
- Oriëntatie
- Materiaal
- Profiel
- ...



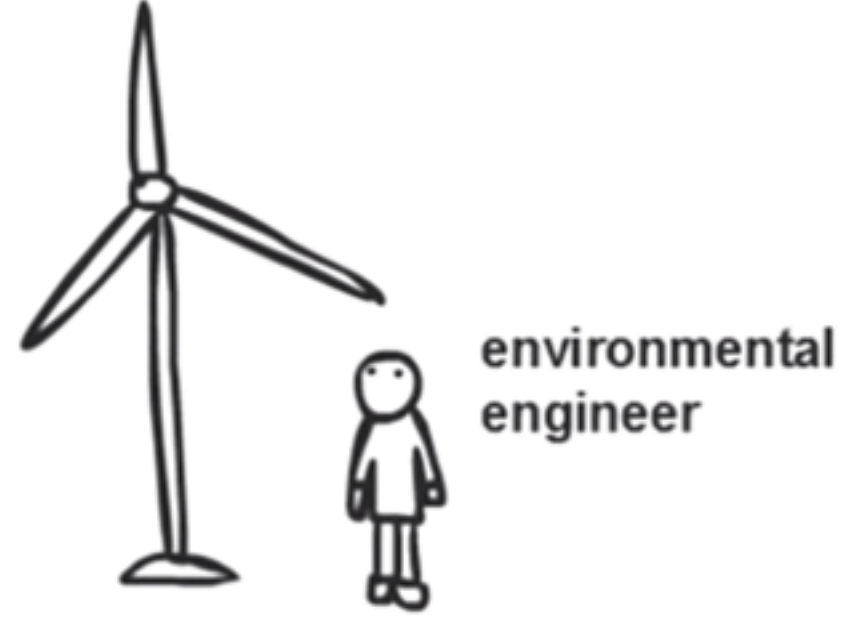
Metadata

- Prijs
- Producent
- Product Code
- Product webpage
- Hardware set
- U-waarde
- Brandbeveiliging
- Akoestische eigenschap
- Garantie
- ...





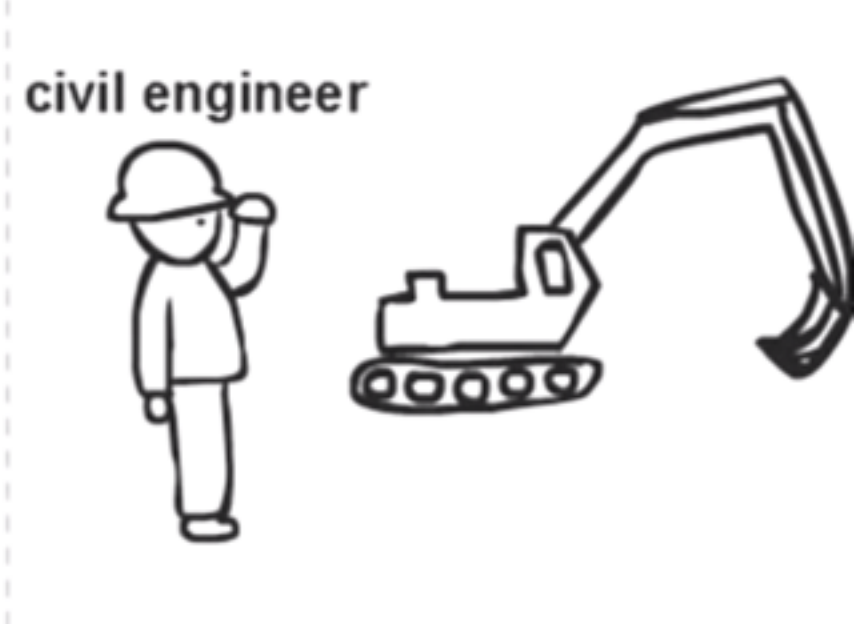
MEP engineer



environmental engineer



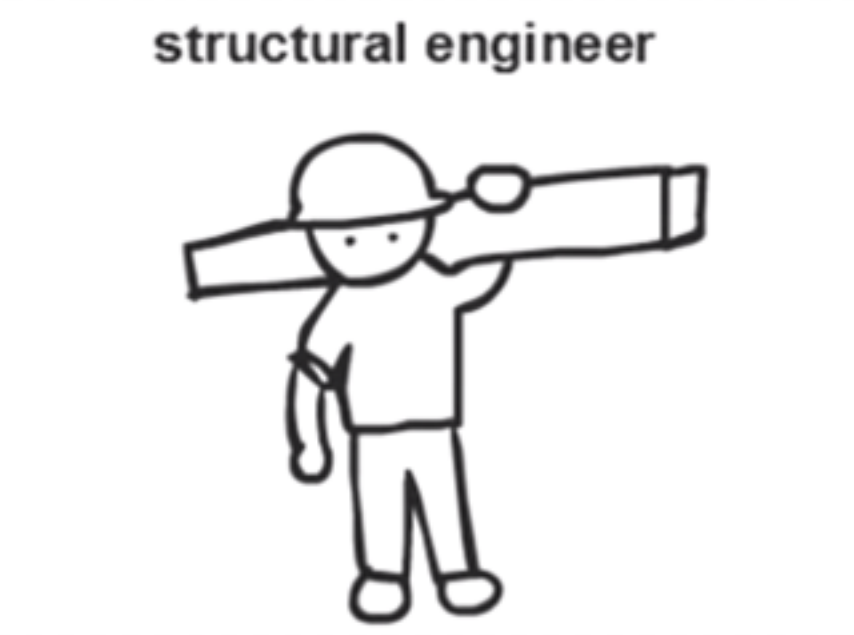
quantity surveyor



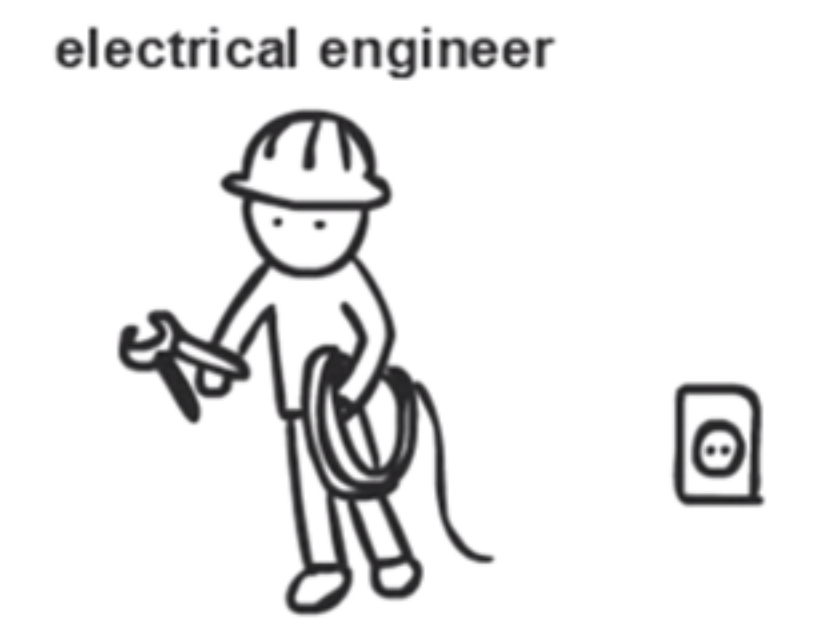
civil engineer



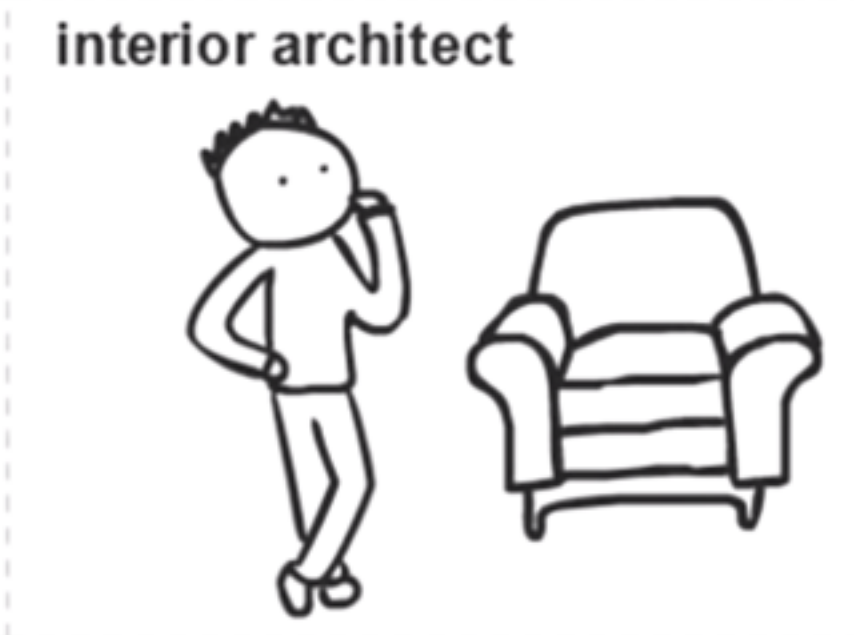
architect



structural engineer



electrical engineer



interior architect



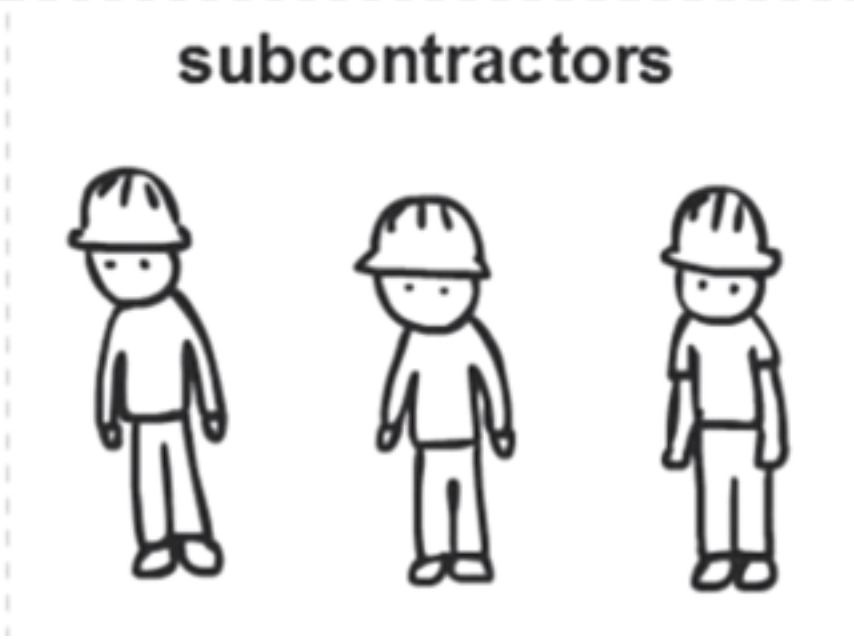
landscape architect



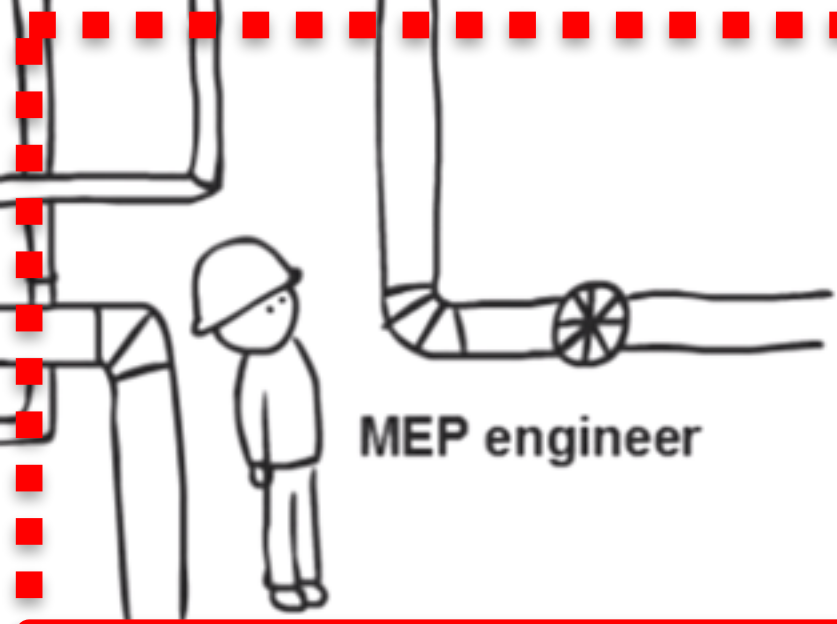
surveyor



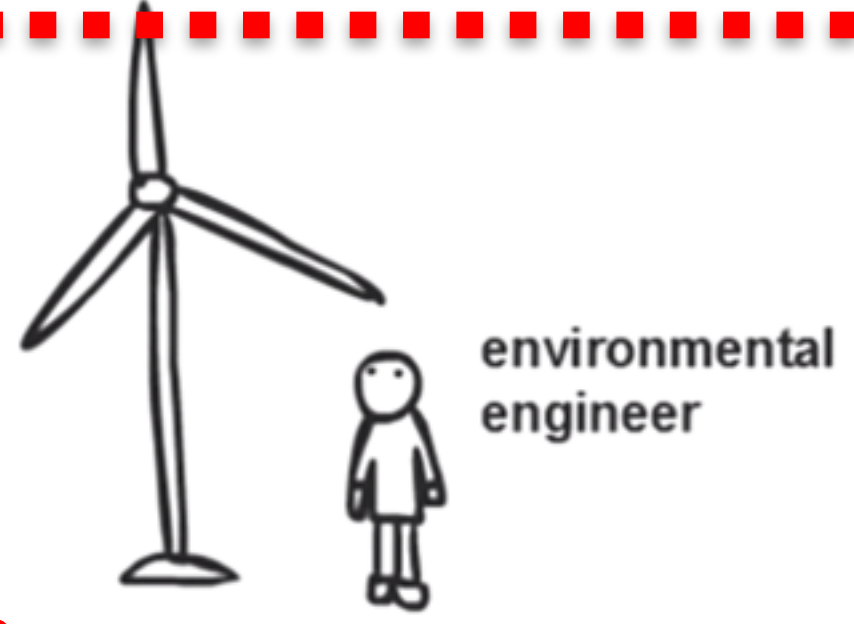
general contractor



subcontractors



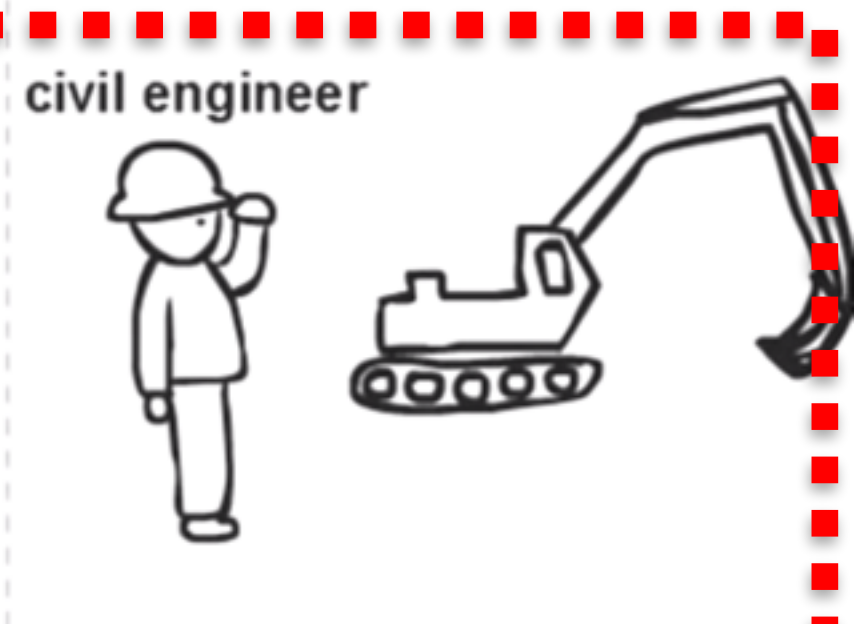
MEP engineer



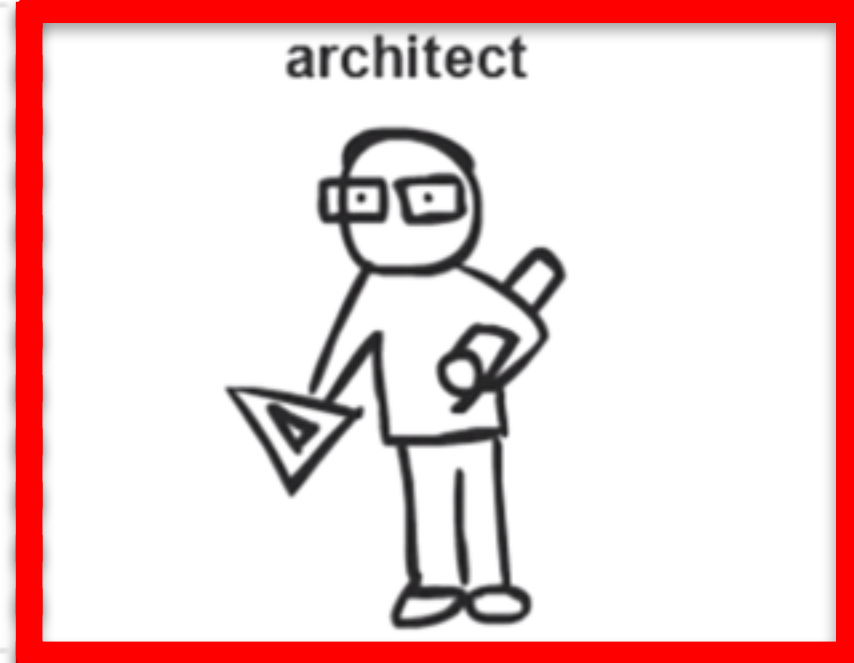
environmental engineer



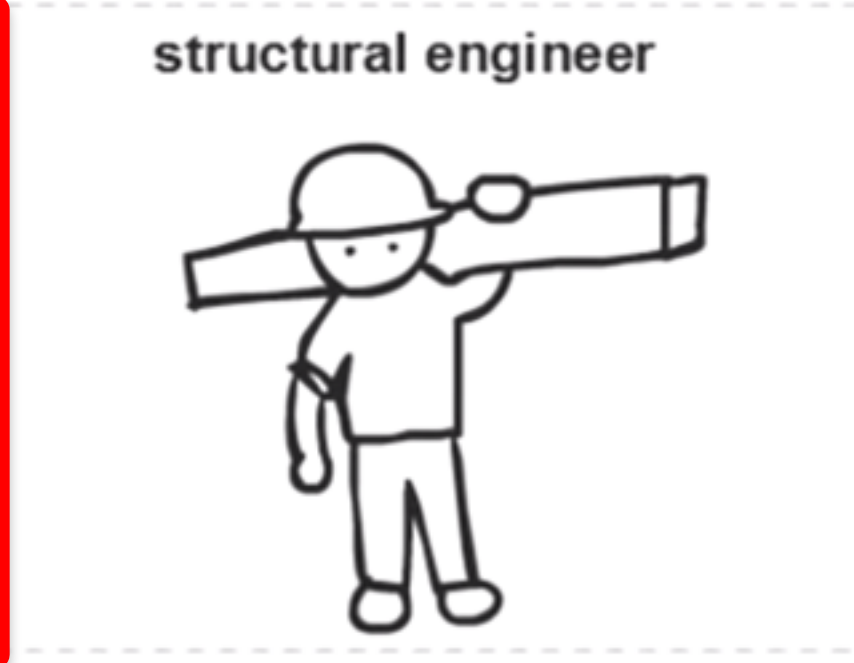
quantity surveyor



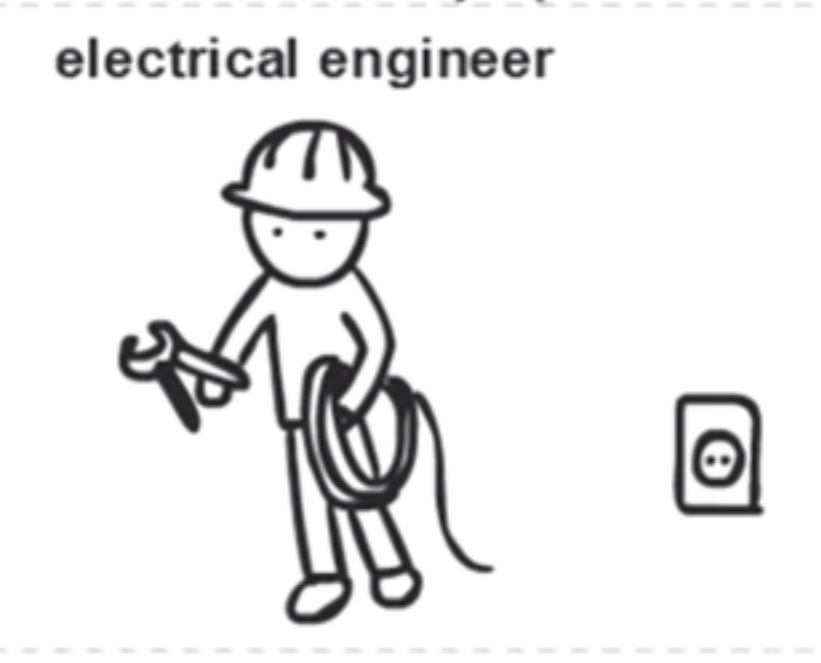
civil engineer



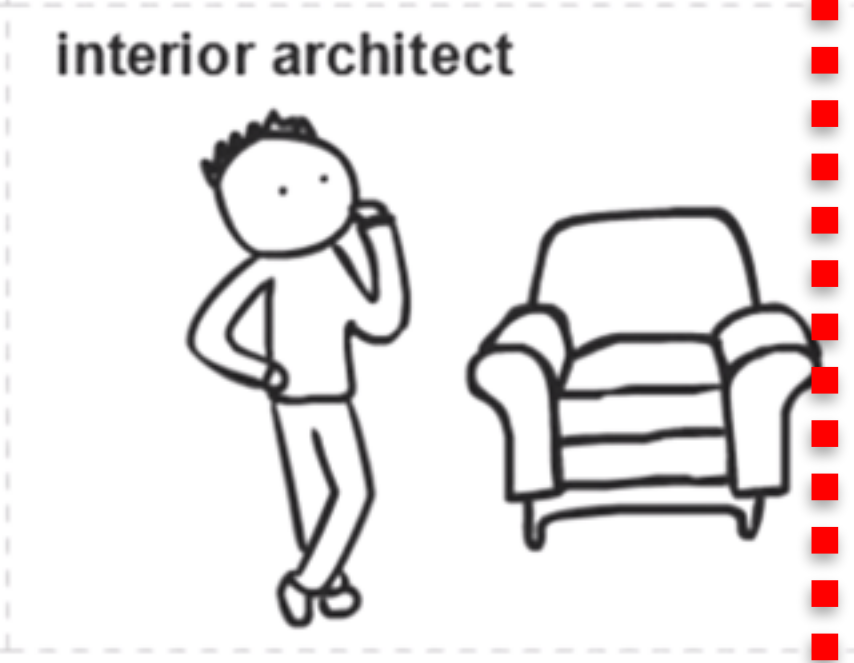
architect



structural engineer



electrical engineer



interior architect



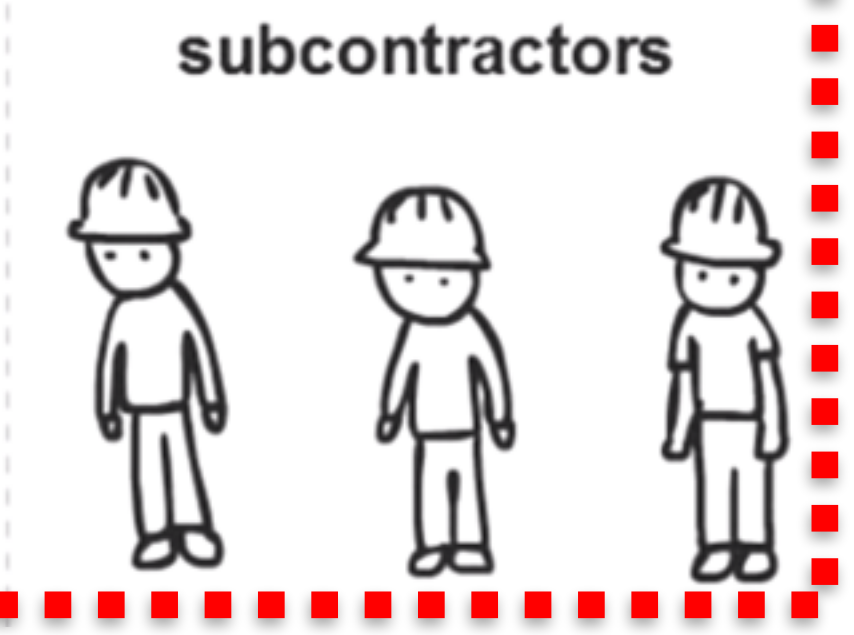
landscape architect



surveyor



general contractor



subcontractors



DEMO

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ARCHICAD 20

GRAPHISOFT
ARCHICAD 20

GRAPHISOFT

GRAPHISOFT

OPEN BIM
GRAPHISOFT

UITWISSELING



IFC VERBETERINGEN

- IFC2x3 als basis
- Ondersteuning IFC4
- Import / export Model View Definitions
- Graphic Override word meegenomen in IFC export
- Survey Point ondersteuning

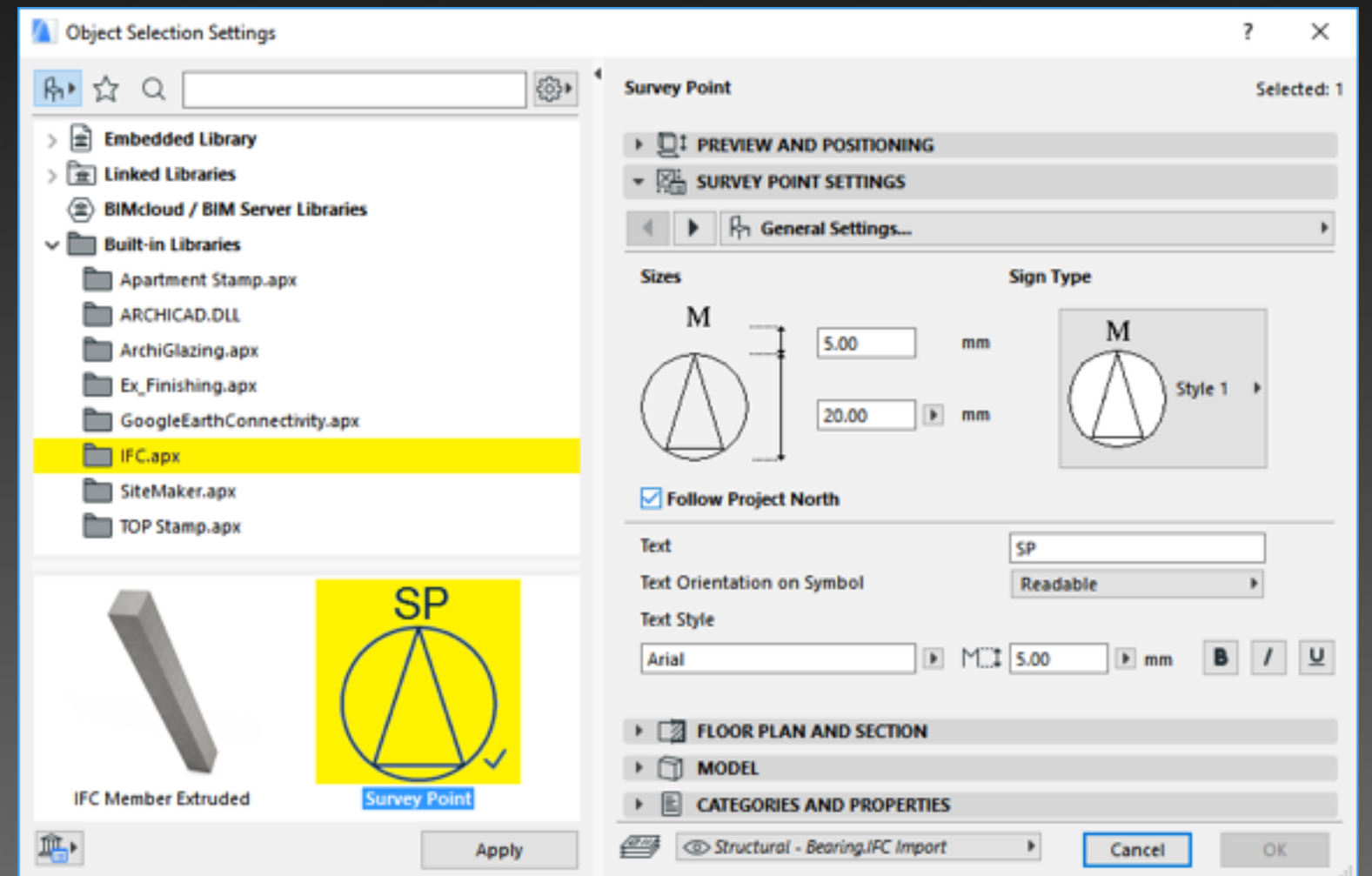
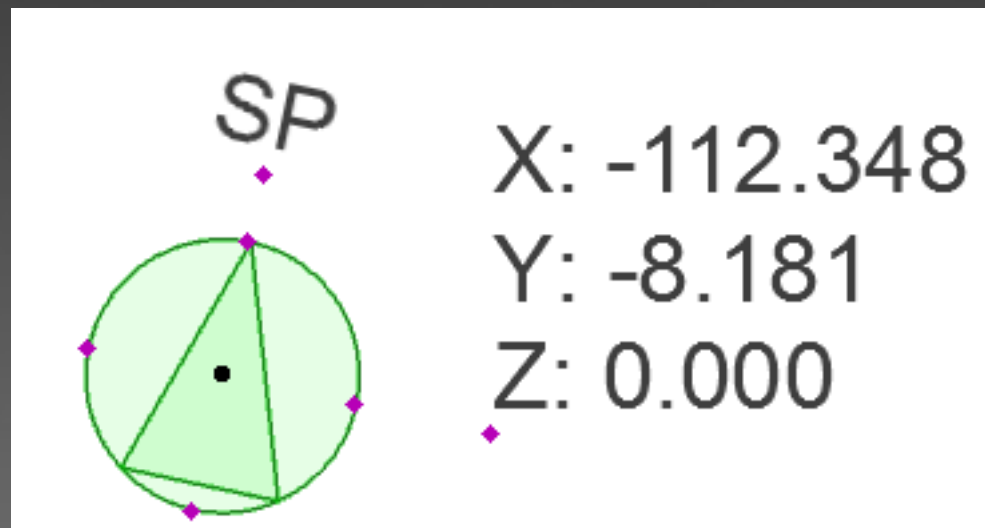
LET OP!

Bespreek per project of andere applicaties al IFC4 ondersteunen!

UITWISSELING

PROJECT EN SITE LOCATION

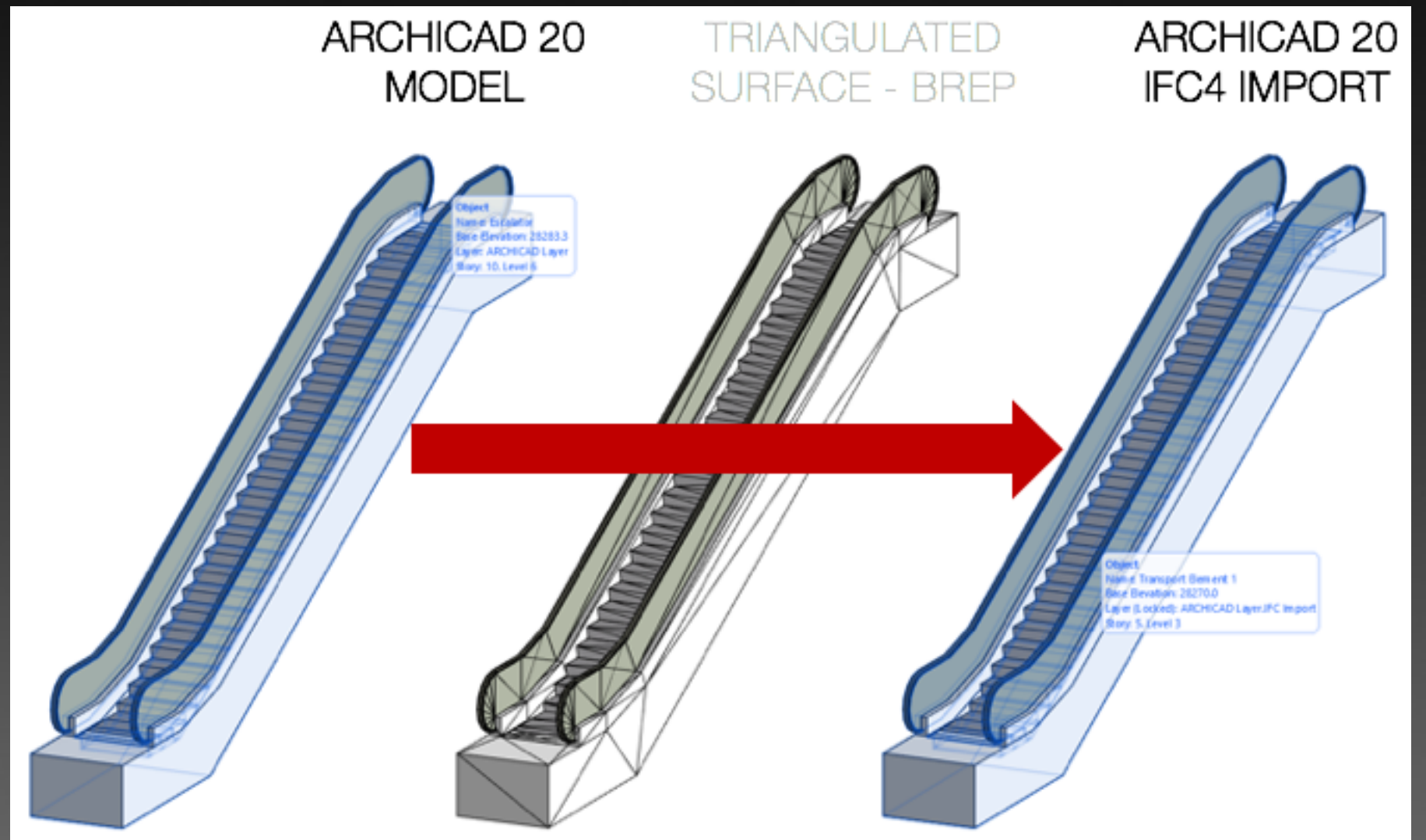
- Survey Point ondersteuning
- Import & Export naar IFC



UITWISSELING

TRIANGULATIE

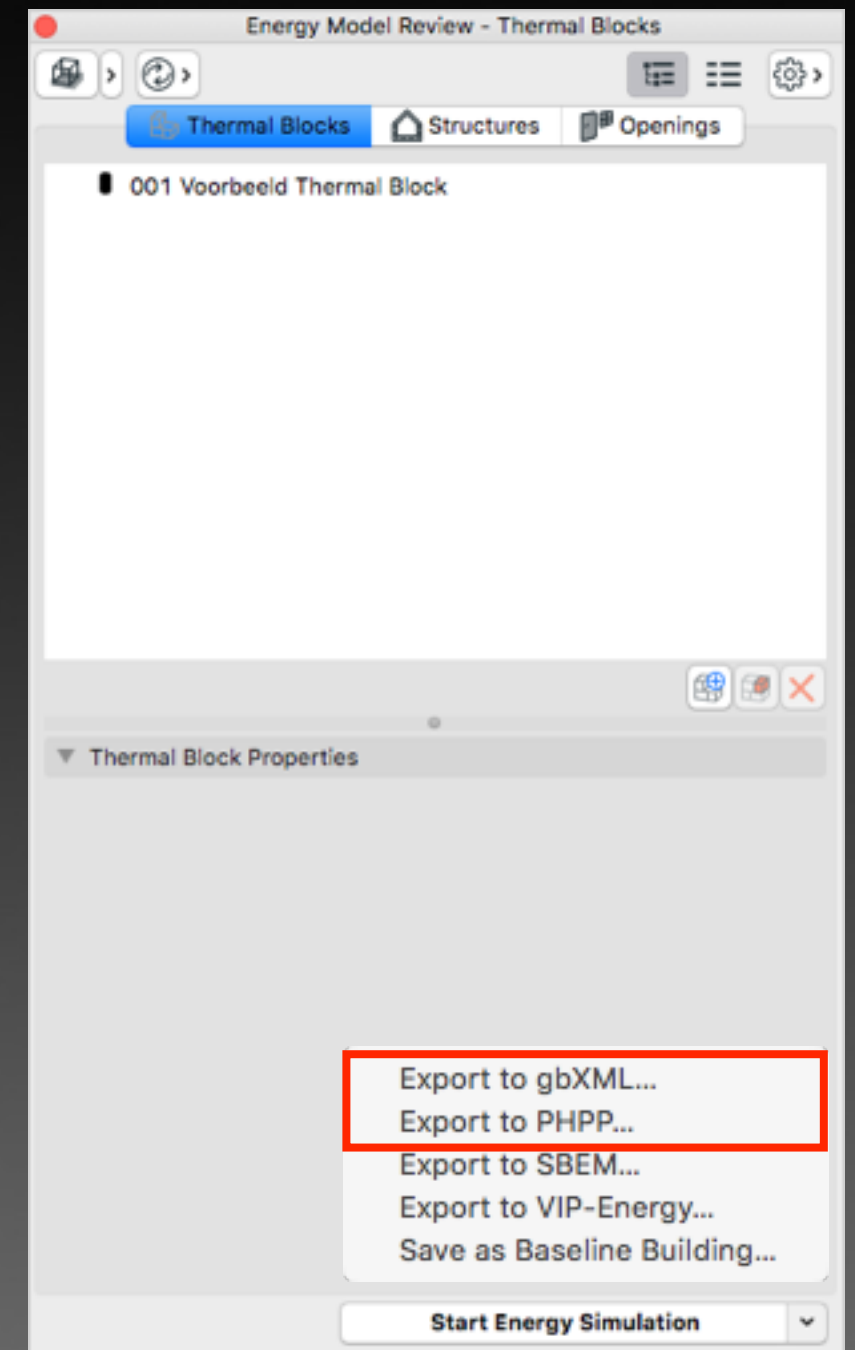
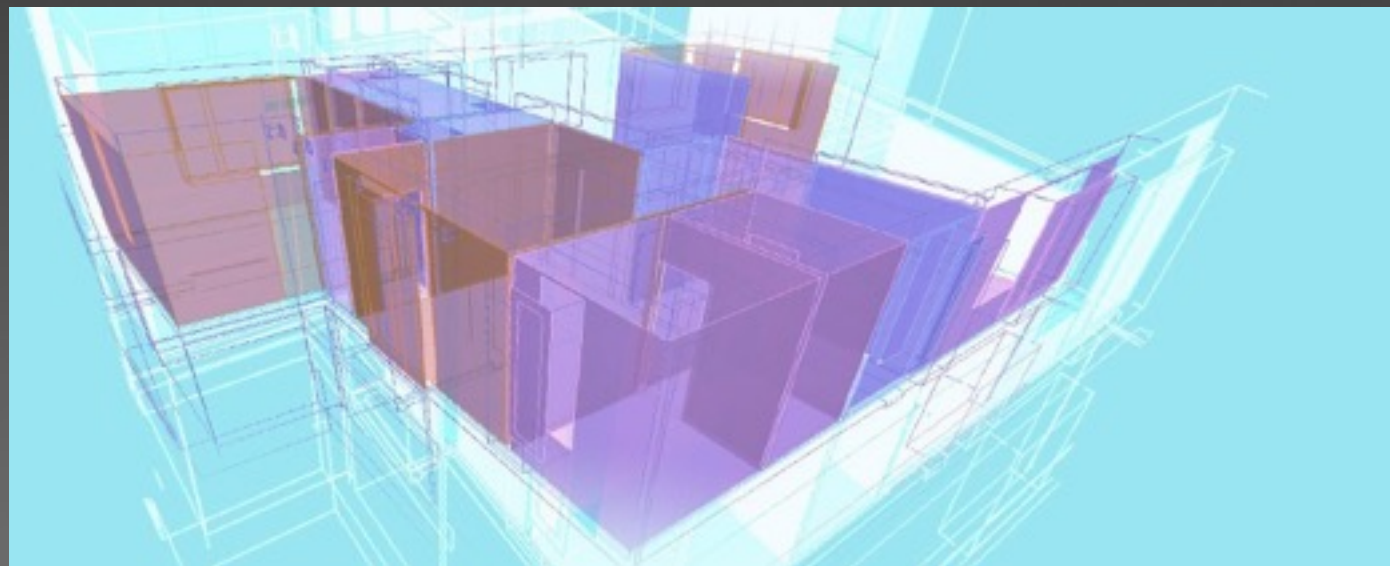
- Verbeterde omgang met polygoenen
- Verbeterde import



UITWISSELING

UITWISSELING GBXML EN PHPP

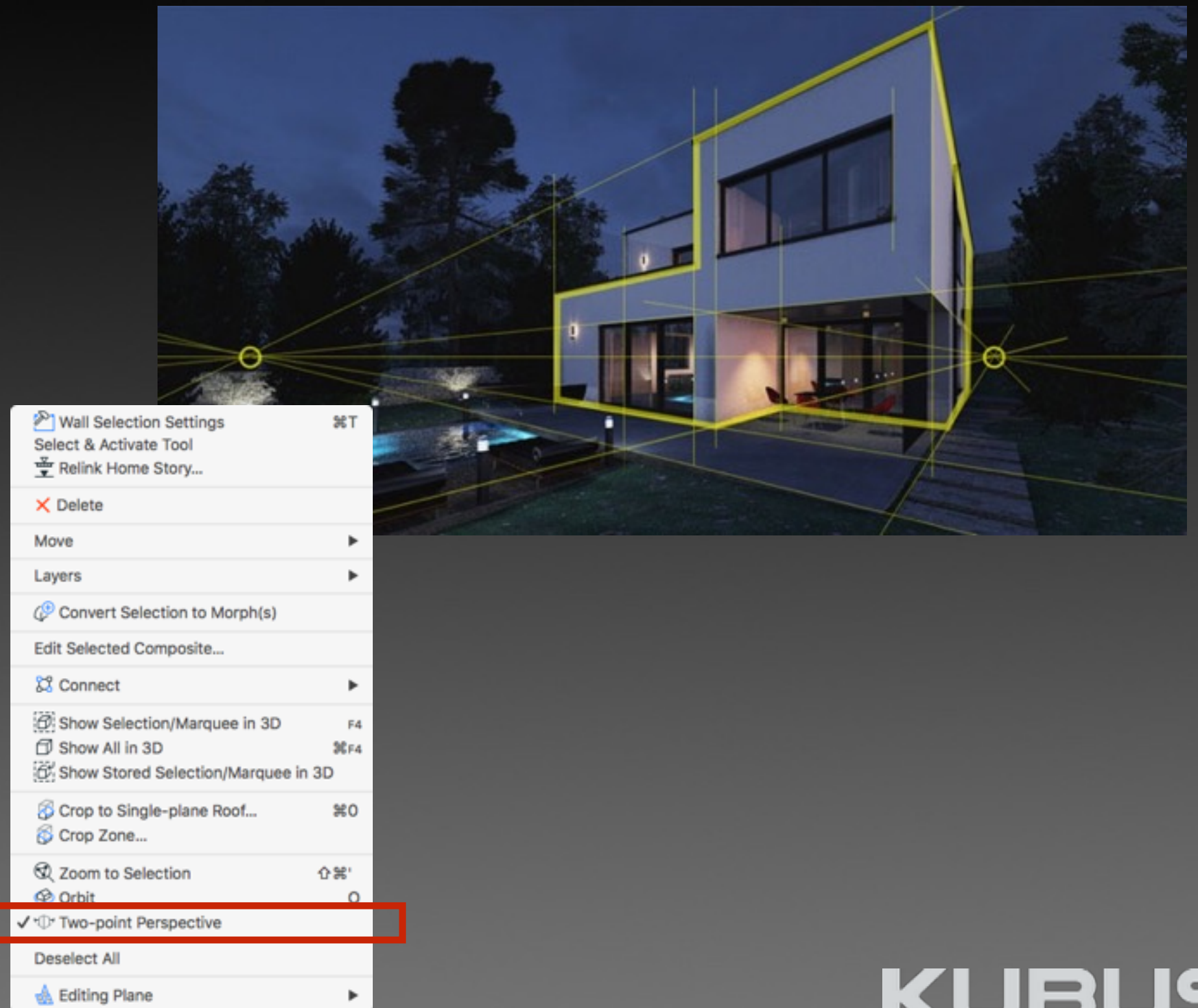
- Standaard voor Green Building
- Standaard voor Passiefhuis



CINERENDER ENGINE 16

TWO-POINT PERSPECTIVE

- Alle verticale randen worden echt verticaal
- Tot de volgende 3D navigatie
- Wordt uiteraard in de views opgeslagen
- Direct beschikbaar in het rechter muismenu



MIGRATIE

	Project gestart met	
	AC bibliotheek 19	AC bibliotheek KME 19
In ARCHICAD 20 vervangen door:	▼ AC bibliotheek 20 + AC subset 19 naar 20	▼ AC bibliotheek KME 20 + AC subset KME 19 naar KME 20

Stappen t.b.v. Migratie

- Backup maken in ARCHICAD 19
- Bestand openen in ARCHICAD 20
- Koppelen van de juiste bibliotheek + eventueel subset bibliotheek

Tip:

Bekijk ook onze Tip & Trucs op de website

BUILDING INFORMATION MODELING

BUILDING INFORMATION MODELING
MANAGEMENT



GRAPHISOFT
ARCHICAD 20

GRAPHISOFT
ARCHICAD 20

GRAPHISOFT

GRAPHISOFT

OPEN BIM

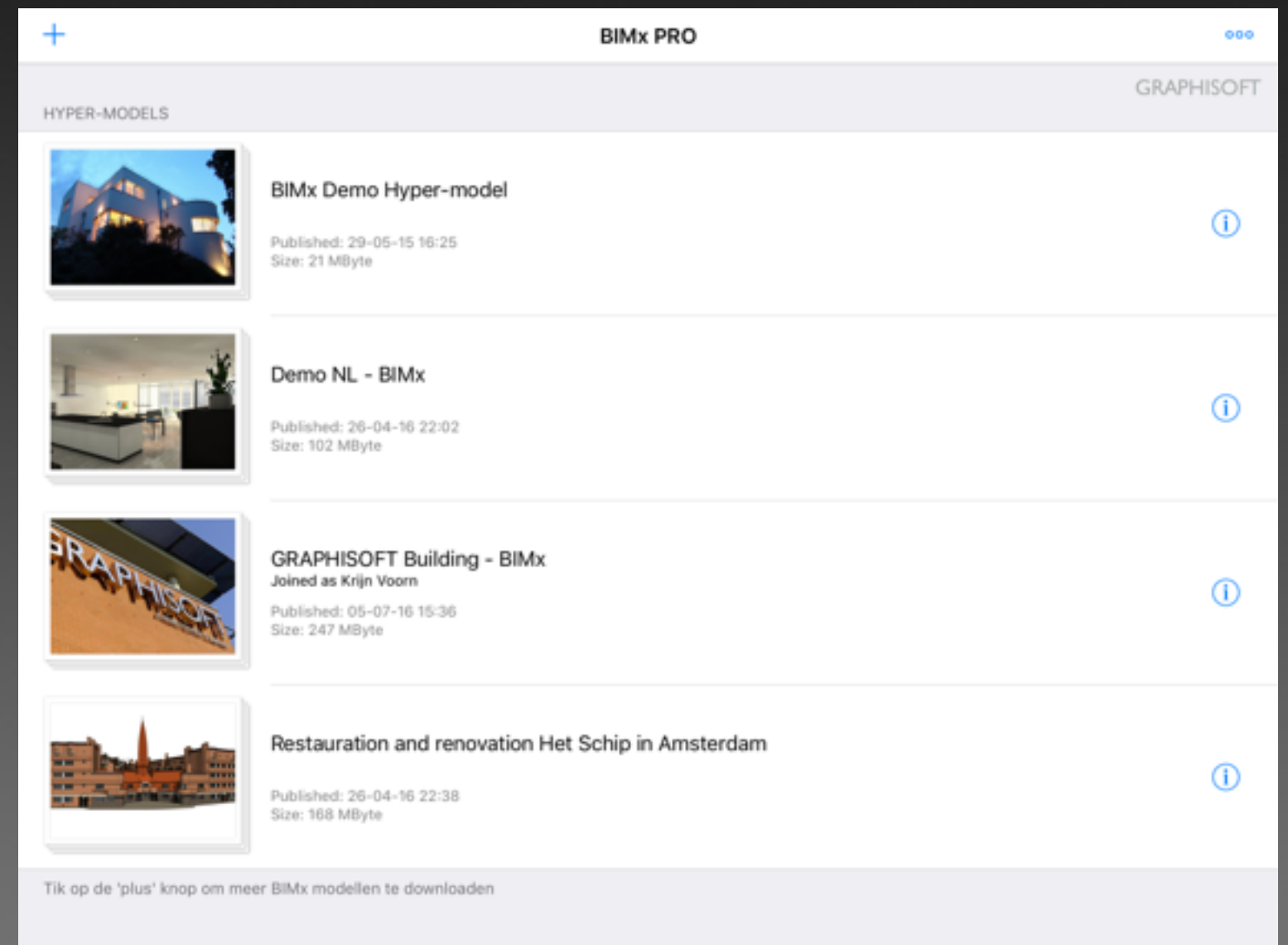












DEMO

BIMx & BIMx PRO NOG BETERE
COMMUNICATIE

BIMx & BIMx PRO NOG BETERE COMMUNICATIE



The screenshot displays the BIMx PRO interface. At the top, there is a header with a plus sign on the left, the text "BIMx PRO" in the center, and three dots on the right. Below the header, the word "HYPER-MODELS" is displayed on the left, and "GRAPHISOFT" is on the right. The main content area lists four hyper-models, each with a thumbnail image, a title, publication details, and an information icon.


Thumbnail	Title	Published	Size	Info Icon
	BIMx Demo Hyper-model	29-05-15 16:25	21 MByte	
	Demo NL - BIMx	26-04-16 22:02	102 MByte	
	GRAPHISOFT Building - BIMx Joined as Krijn Voorn	05-07-16 15:36	247 MByte	
	Restoration and renovation Het Schip in Amsterdam	26-04-16 22:38	168 MByte	

Tik op de 'plus' knop om meer BIMx modellen te downloaden

BIMx & BIMx PRO NOG BETERE COMMUNICATIE

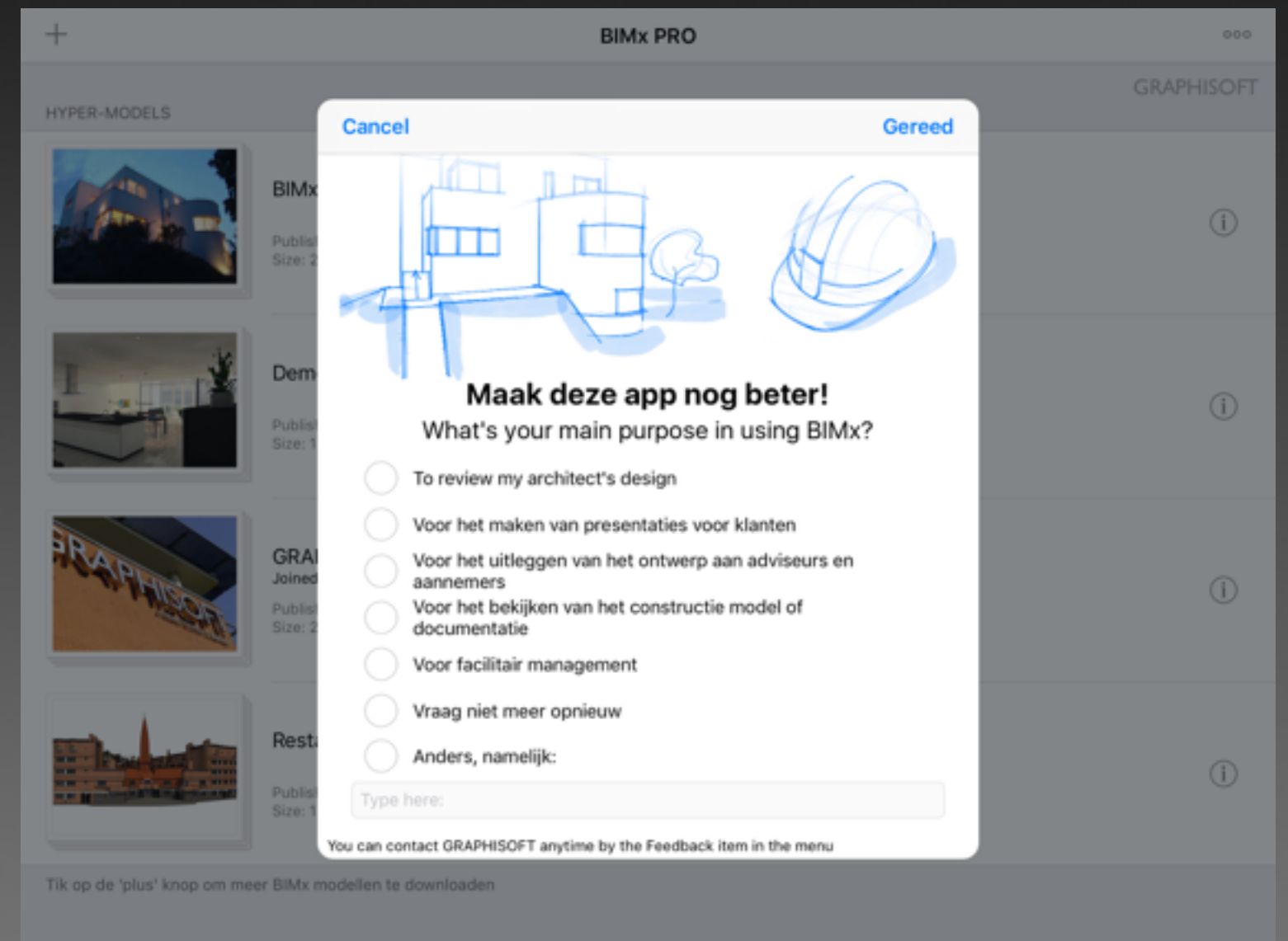
GRAPHISOFT Building - BIMx

- IPC2016 BIMx presentation
 - Slide-1
 - 3D View**
 - 3D Fire rating
 - Slide-2
 - Slide-3
 - FM workflow
 - Slide-4
 - Floor Plan
 - Measure
 - 3D Cardboard
- Documentation



3D View
Published 05-07-16 15:36
3D Model Size 93 MByte

BIMx & BIMx PRO NOG BETERE COMMUNICATIE



Rhinoceros®



DANK VOOR UW

AANDACHT!

SAMENWERKEN VOOR HET BESTE
RESULTAAT

archisoft | Jill Vanhecke, Adviseur





PAUZE

KUBUS

KEYMEMBER EDITIE VOOR EEN SNEL
RESULTAAT

KUBUS | Laura Vanderhoven



SAMENWERKEN VOOR HET BESTE
RESULTAAT

archisoft | Jill Vanhecke, Adviseur





PAUZE

KUBUS

BIM TOEGEPAST OP KLEINE PROJECTEN

Aeon Architecten | Ir. Arch. Valerie van Gucht
| Arch. Kevin Nechelpout



BENT U AL KEYMEMBER

VERGEET U NIET DAN NIET IN TE
SCHRIJVEN VOOR HET VOLGENDE
ARCHICAFE



RECEPTIE

KUBUS