

AR19939-L

Formidable FormIt Modeling

Brandon Wlosinski

Manager of Virtual Design and Construction – BNIM Architects

@bwlosinski

Class summary

- This is an advanced class for those already familiar with FormIt 360 mobile and web app and the user interface, tools, and basic workflows within the app. This session will focus more on the Windows App to utilize more resources. We will cover the advanced modeling techniques, analysis capabilities, pro features (such as session sharing and material creation), workflows to work with Revit software and Revit software families, and integration of Dynamo modeling scripts into FormIt 360. The class will focus heavily on workflow and getting the most out of a FormIt 360 Pro subscription, so your models are layered with Building Information Modeling (BIM)-related information earlier in your design process. This class will not cover the basics of FormIt 360, so if you're unfamiliar with how to create model content in FormIt 360, it would be better to take a different course. This session features FormIt 360, Dynamo Studio, and Revit Architecture.
AIA Approved



Key learning objectives

At the end of this class, you will be able to:

- Understand advanced modeling techniques
- Learn how to use analysis tools and other FormIt 360 Pro features
- Explore workflows with Revit and other programs
- Learn about integration of Dynamo modeling with FormIt 360

About Me

- VDC Manager at BNIM
 - 45 year old firm dedicated to sustainable practice
- Like many here, the bridge in my firm between tech and architecture.



About Me

- FormIt user for 2.5 years.
- Work with development team on product reviews
- Implementing on projects and training

FormIt and BIM

Is FormIt the [INSERT PRODUCT NAME HERE] Killer?

- The short answer is:
 - Not if you don't want it to be.
- The long answer is:
 - FormIt is an incredibly versatile tool with a lot of functionality built in out of the box. It is a package that can solve a number of issues that currently face early design.
 - Some people will never abandon old ways
 - Some people will never adopt new way
 - FormIt plays well with others. It was built this way from the start. The benefit of making a tool that is meant to be cross-platform means that you have to not limit yourself to proprietary means solely. FormIt succeeds in doing this.
 - FormIt can absolutely be used in lieu of other early design tools, but more importantly, it can be used with these tools.

FormIt and BIM

- Many early modeling tools today forgo implementing data in order to allow designers the freedom of expression through form.
- FormIt bridges this traditional method of modeling to BIM by allowing for seamless creation of information as you go through traditional modeling methods
- This information becomes directly translatable to full fledged BIM
- Imagine this as LOD 050 or LOD 100 modeling.

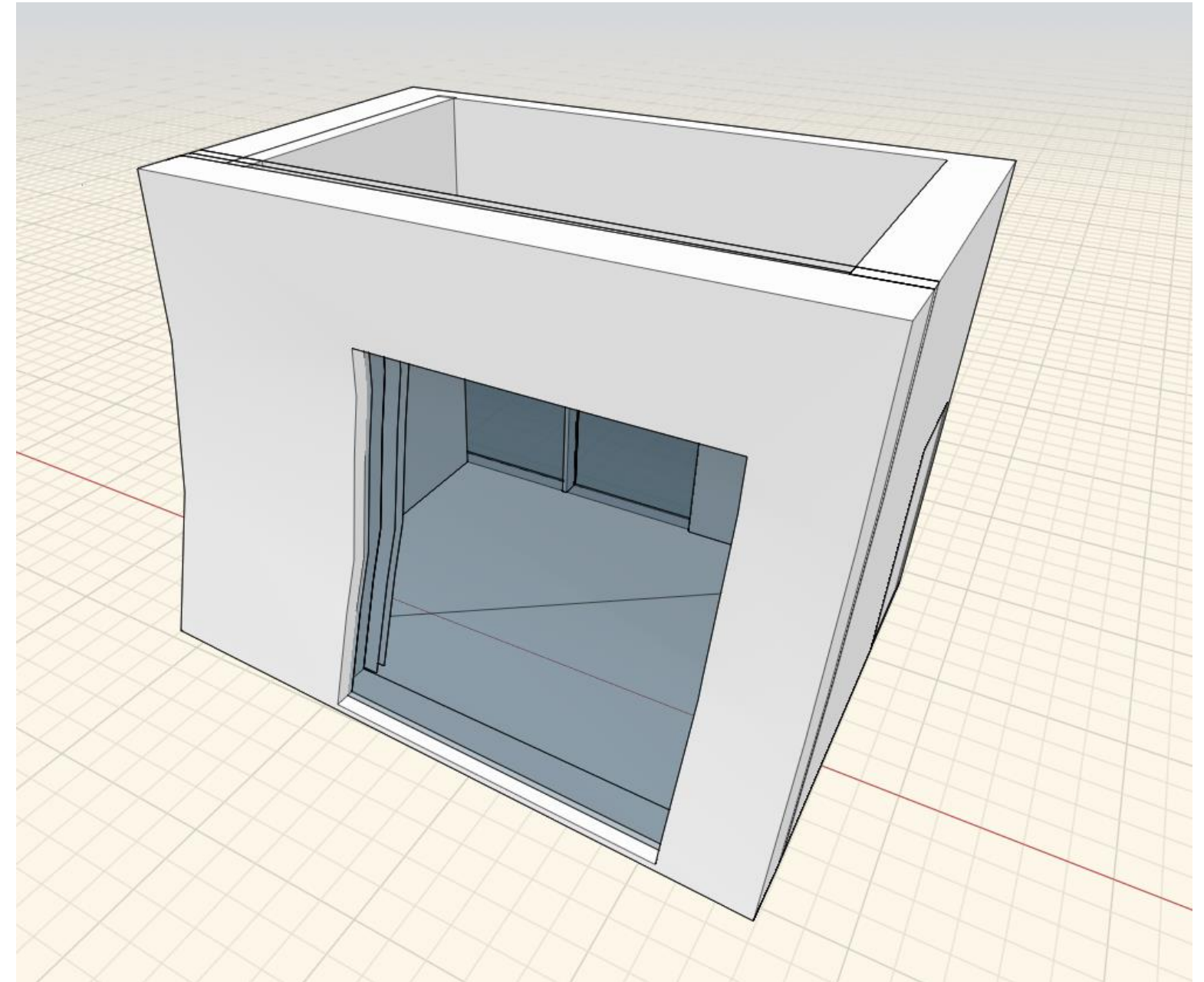
What You Should Know Already



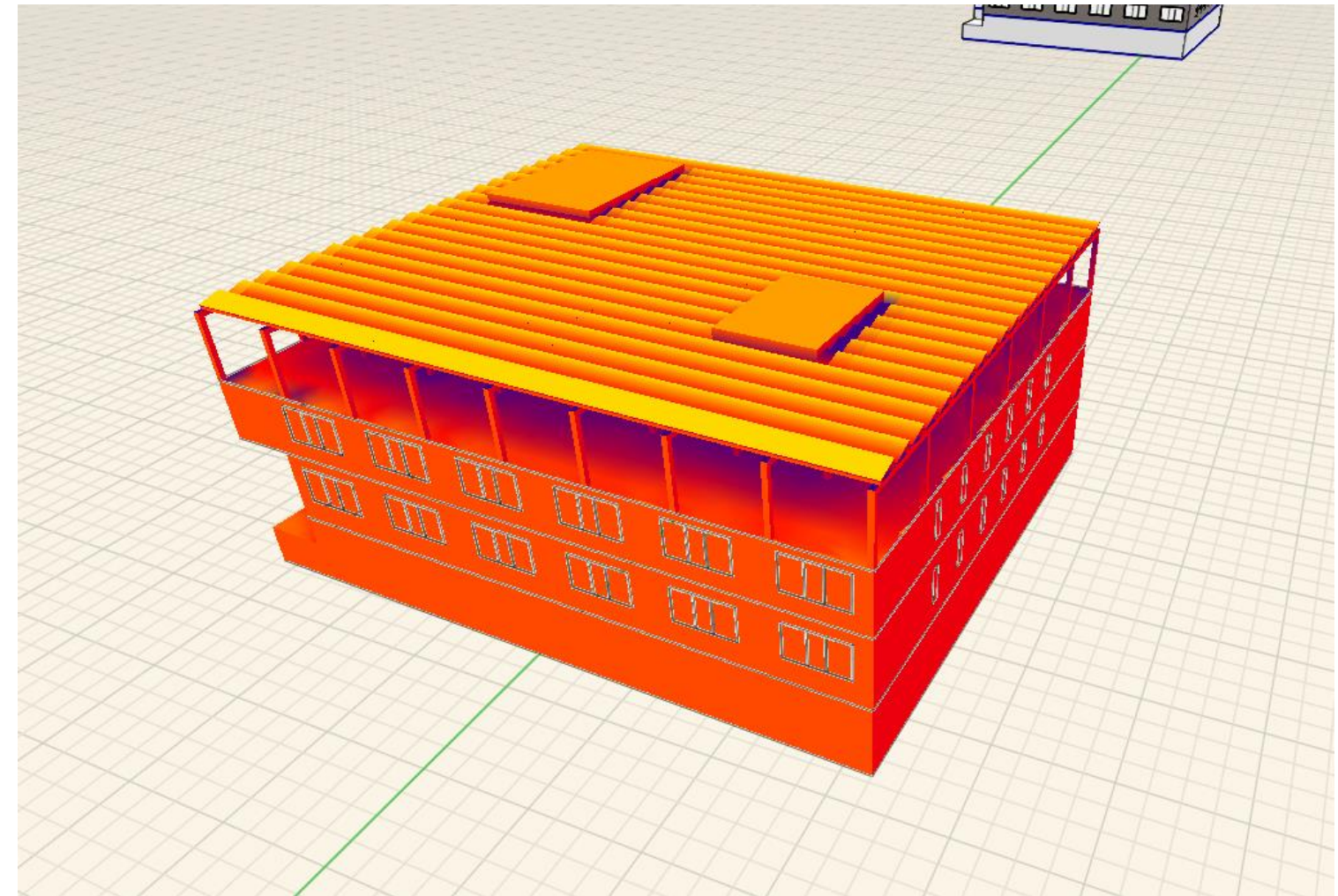
Things to Know Already

- You should be familiar with the UI overall
- You should have some exposure to the advanced tools
- You should have some exposure to the Pro tools
- You should have a basic understanding of Dynamo

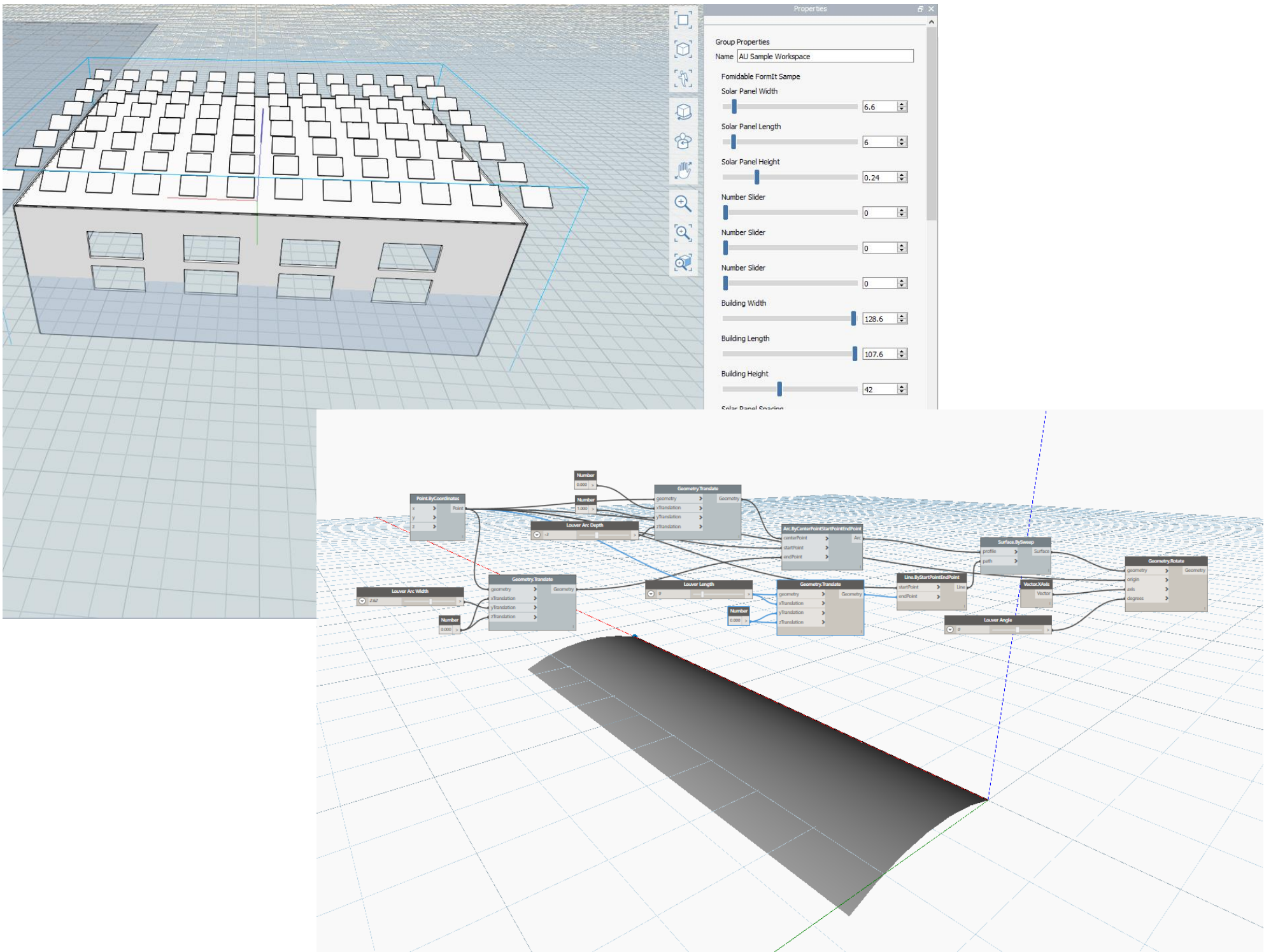
Sample 1: Modeling + Visualizing a VMU



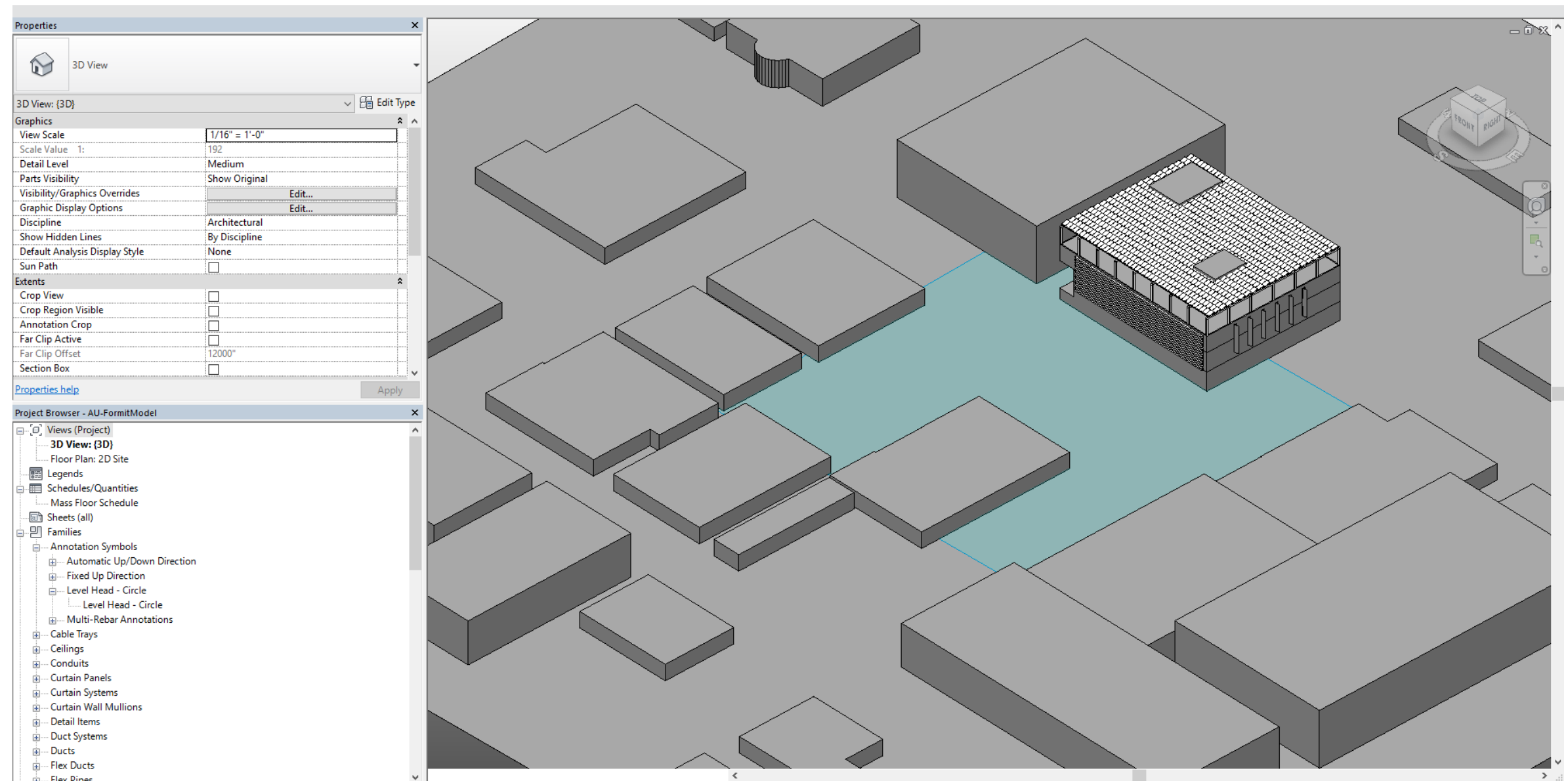
Sample 2: Creating and Analyzing a Pre-Design Model



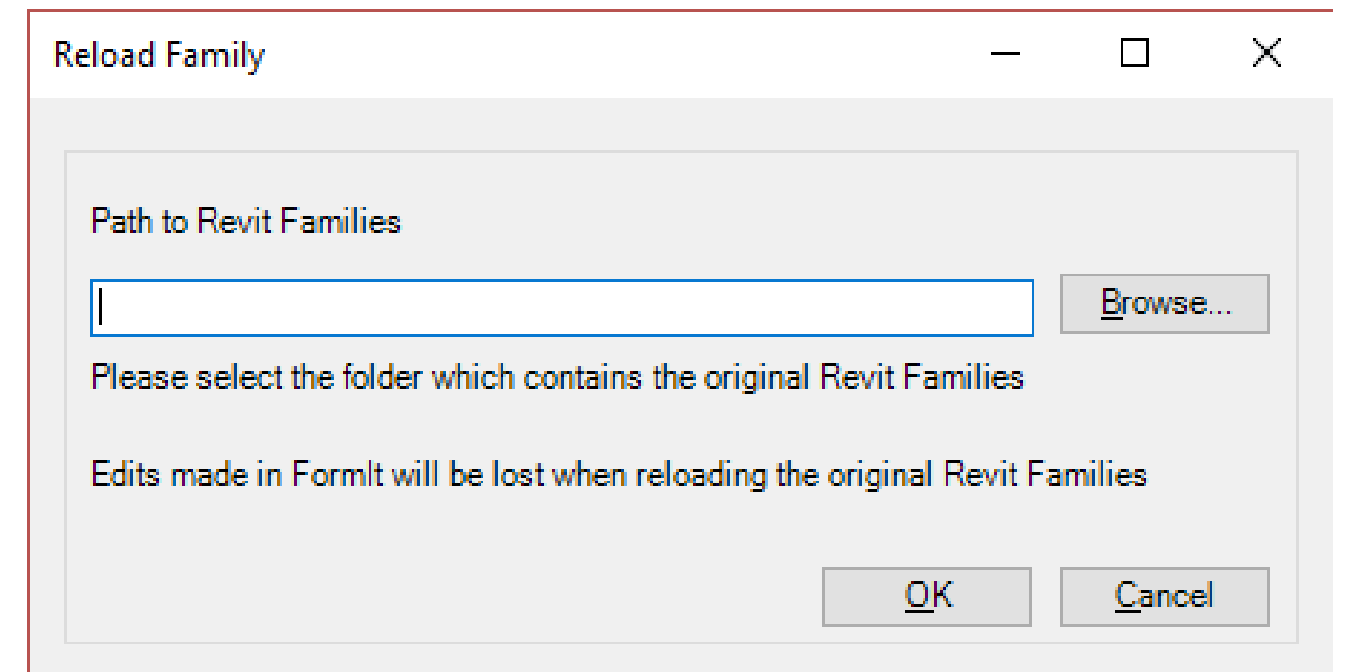
Sample 3: Creating Iterations with Dynamo



Sample 4: Bringing Our Design to Revit



Sample 5: Editing Revit Families Back and Forth



Final Questions

How did I do?

- Your class feedback is critical. Fill out a **class survey** now.
- Use the AU mobile app or fill out a class survey online.
- Give feedback after each session.
- AU speakers will get feedback in real-time.
- **Your feedback results in better classes and a better AU experience.**



Thank you!

Connect with us!

@BNIM

<http://bnim.com>

@BNIM_IS

@bwlosinski

bwlosinski@bnim.com

@dsiroky

dsiroky@bnim.com

