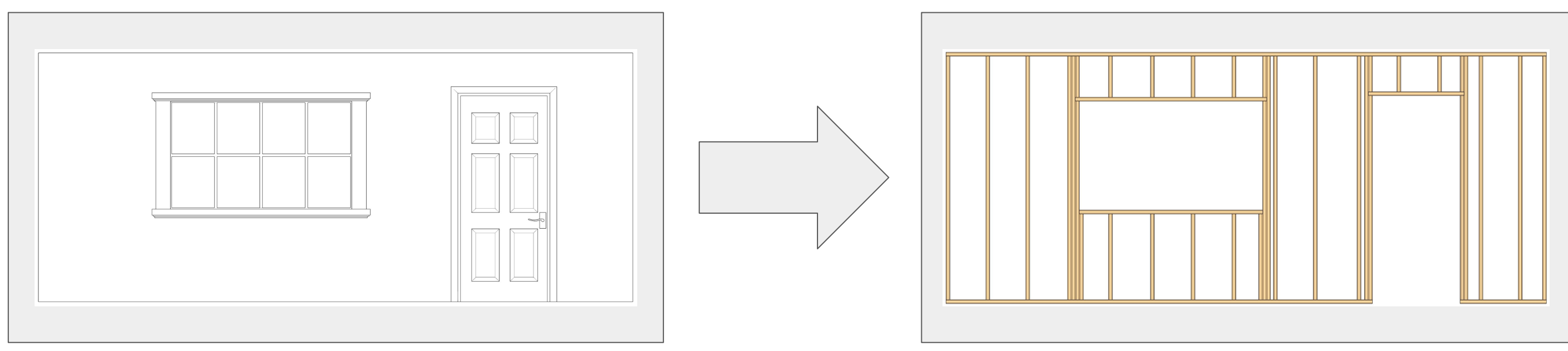# Weapons of Mass Construction
The story of **FrameX**, the automatic drafting tool
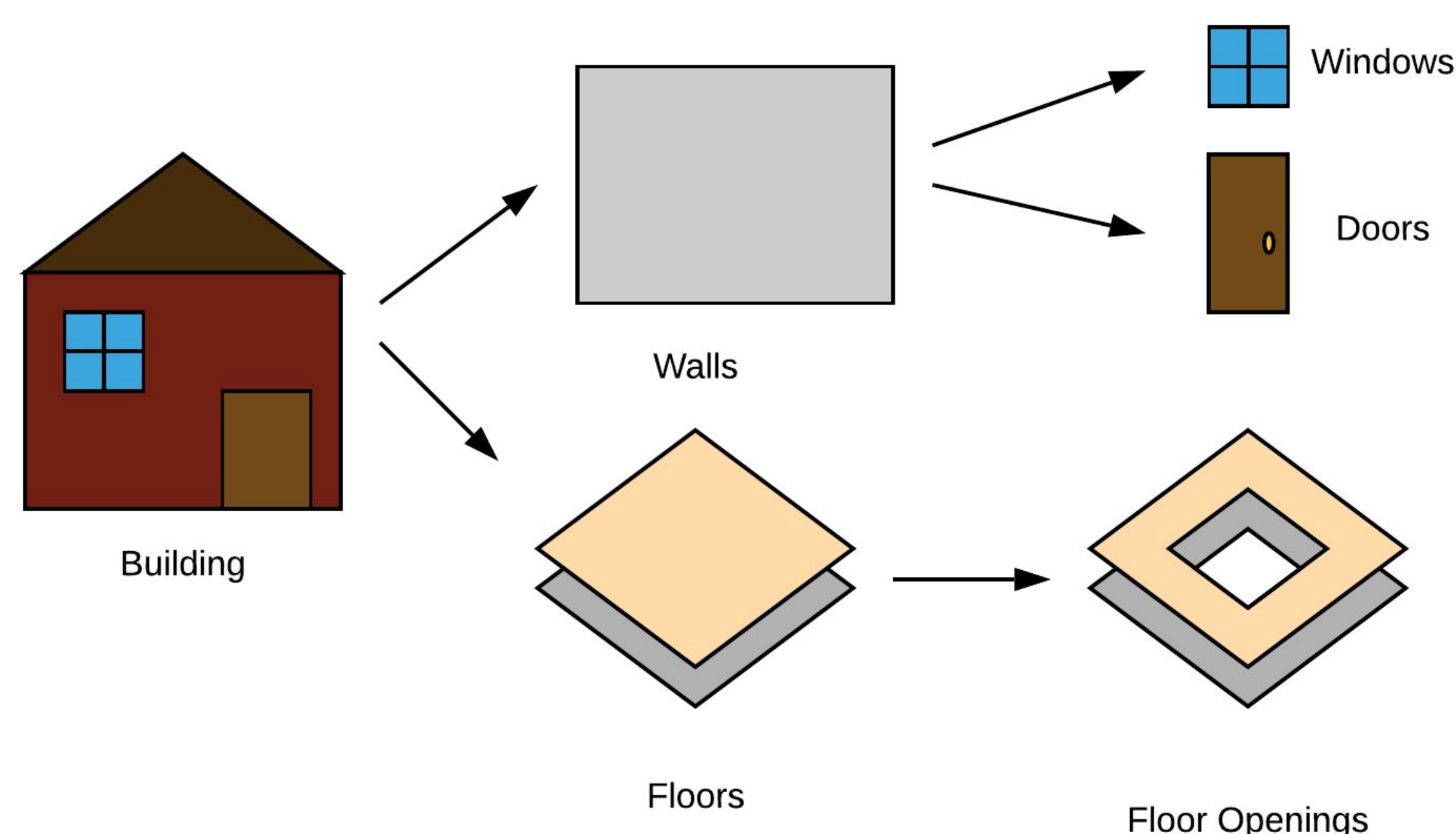
WHAT IS FRAMEX?
Framing is the step in building design where wood or steel beams are positioned inside walls. This process is tedious and requires special care around structures like windows & doors. FrameX is a software add-in for Autodesk Revit that does this automatically

WHY WOULD YOU DO SUCH A THING?
The processes automated by FrameX are important and dynamic, but also repetitive. FrameX does it faster and more accurately than a person would which minimizes waste, saving time and money.

TO GO… EVEN FURTHER BEYOND…

We've started expanding the functionality of FrameX beyond just generating framing. We can already generate shop drawings and are working on sending the framing directly to a panel-assembling machine.
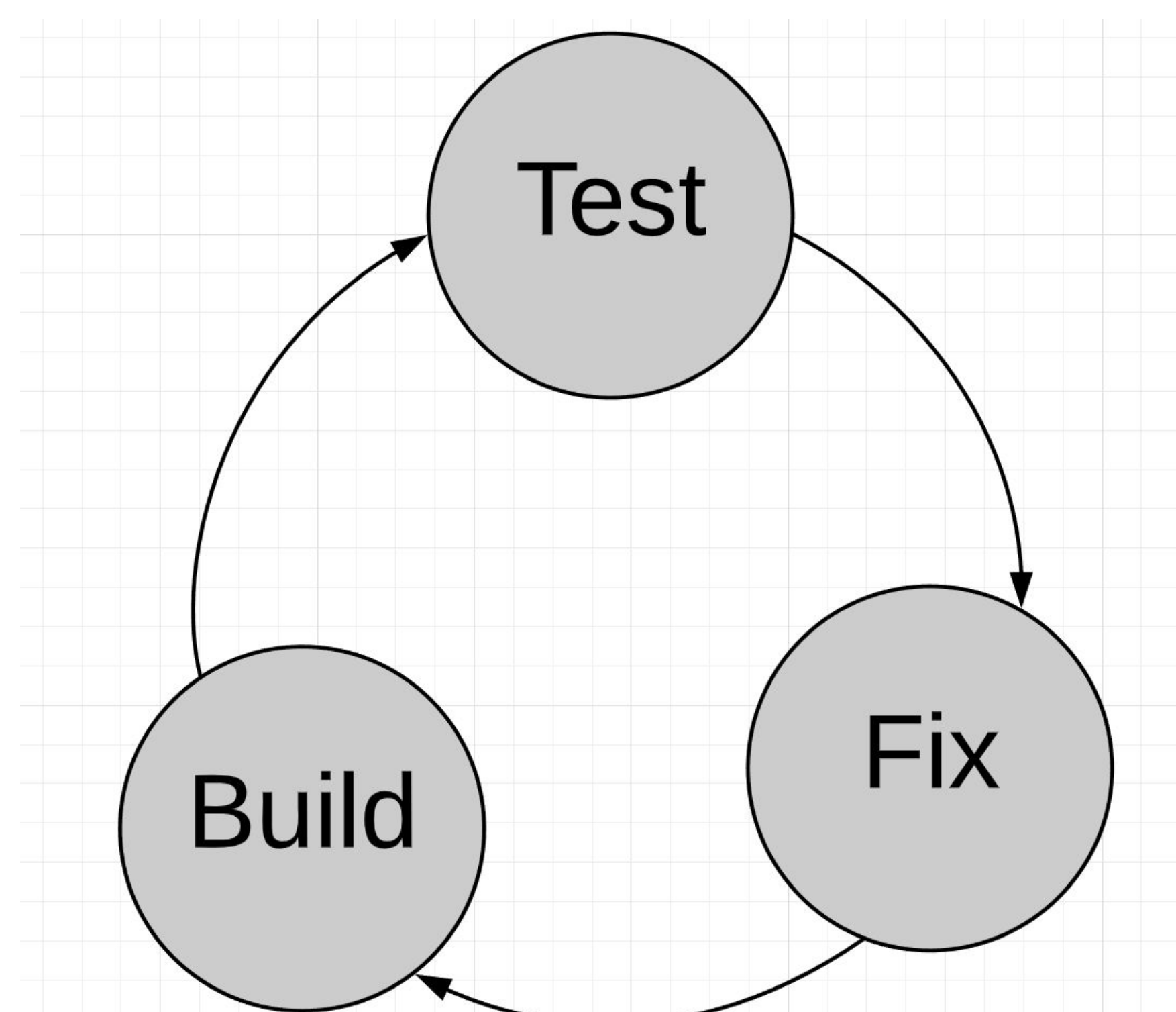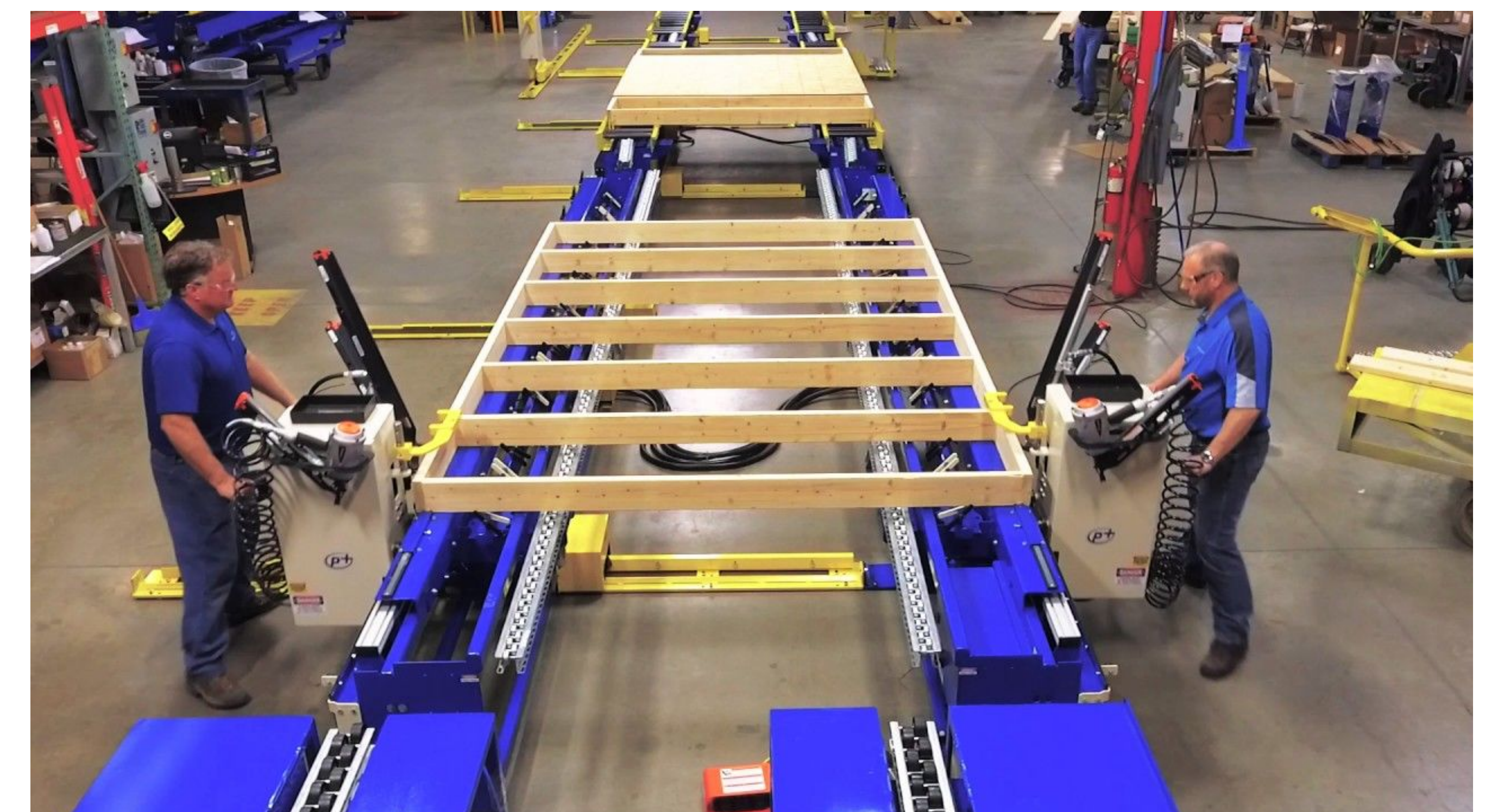
BUT HOW DOES IT WORK?
FrameX splits a model into smaller and smaller problems and then tackles them one at a time. It splits a building into walls and floors, then individual panels, then individual components in each panel like cabinets and or windows. After framing each component, it stitches the pieces together, resulting in the final product.

HOW DID THEY DO IT?
Our team was composed of a mix of civil engineers and software developers. Every day, the engineers would spend the day testing the product and submitting feedback . The developers would spend the day implementing the feedback and create a new version of the product at the end of the day, ready for the engineers to test first thing tomorrow morning.

Wood framing assembly machine. Image from PanelsPlus on Youtube