

FLOOR TRUSSES

EXCEPTIONAL STRENGTH
& LABOR SAVINGS



Open web floor trusses deliver faster cycle times, reduced wood materials, and less waste than engineered wood products or dimensional lumber.



UP TO
20%
QUICKER MEP
INSTALLATION



UP TO
25%
LESS WOOD
PRODUCT UTILIZED



UP TO
30X
LESS JOBSITE
WASTE PRODUCED

“Open web became the most beneficial, most cost-effective solution. Every trade we introduced open web to found savings”

- TRUE HOMES

Sources: Framing the American Dream, SBCA, 2015 & 2024; Innovation Build, MiTek, 2023; Customer Data, MiTek TrueNorth Consulting, 2023-24

[MII.COM/OPEN-WEB](https://mii.com/open-web)

BUILDER BENEFITS

- Faster, easier, and safer installation versus conventional framing
- Enables greater flexibility for coordinating and installing plumbing, electrical, and HVAC systems through the open webs - without cutting, drilling, or routing
- Minimizes material shrinkage, warping, and creaking to improve overall performance and resiliency
- Custom designed and built to specification for any construction project

A BETTER RESULT FOR YOUR BUYERS

Feel confident that your floor system will perform for your buyers while enabling the design freedom required to meet their changing needs.

- Creates a stable and straighter floor with less bounce
- Engineered for longer spans to maximize design freedom while retaining the structural integrity
- Reduces the need for interior bearing walls, beams, columns, and footings
- Specifically designed to handle project features like kitchen islands and balconies
- Offers favorable details like higher ceilings and fewer soffits



MiTek® TRUSS VALIDATOR™

The MiTek® Truss Validator™ is a free tool for engineers and architects to confidently validate the feasibility of floor trusses in their designs.



TRUSS
VALIDATOR

MiTek

Industrial Solutions About

Validate the Feasibility of Floor Trusses with Confidence

MiTek TRUSS VALIDATOR

INTRODUCING MITEK® TRUSS VALIDATOR™
A free tool for engineers and architects to confidently validate the feasibility of floor trusses manufactured using MiTek's industry-leading solutions.

INSTRUCTIONS
To begin, select your project parameters and press "Validate Truss" to verify the feasibility of a floor truss. Then click "Detailed Report" for a report to be created and sent to your e-mail for you to share with your team.
Functionality of this tool is limited to clear span trusses and uniform loading at this time. The MiTek Truss Validator provides feasibility guidance as a starting point for truss design. MiTek can help find Component Manufacturers in your area to continue your design process.

Help ? FAQ ? Help Video ? * indicates required fields

Building Code

2015-2021 IRC/IBC

Physical Description

Span (Feet) * Depth (Inches) * Spacing (Inches) * Lumber Species *

Select Select Select Select SPF

Deflection

Ratio

Live Load L/360 | Total Load L/240 | Live Load L/480 | Total Load L/360 | NA

Uniform Loading (psf) *

Top Chord Live Load | Top Chord Dead Load | Bottom Chord Dead Load

Select Select Select

Validate Floor Truss →