

PLANS EXAMINER TOOL KIT

Tools to facilitate review of plans with Trus Joist Engineered Lumber

A little knowledge can go a long way

Confirming selections of most I-joists and Structural Composite Lumber ("SCL") can be made much easier with a little extra knowledge and adjusted policies. This document provides helpful links to tools and information that can simplify the permit and construction process when these components are used.

Tips to streamline permits:

Require more Detail on House Plans

Some house plans show "by supplier" for joists or beams instead of a specific selection. House designers should clearly describe the size and grade of ALL structural components on their plans - including I-joists and SCL. A qualified BCIN designer is permitted to design these components. Adopt a policy that insists on a "complete" specification on house plans. We are available to meet with local house designers to offer training to help them make the appropriate selections.

Apply a "Lumber" approach

With span tables, consistent properties and easy-to-read product labels, I-joists and SCL align more with dimension lumber components than they do with roof trusses. This [Technical Bulletin TB-128](#) explains further. To improve efficiency and to help focus on the most important parts of the structure, don't apply a "roof truss documentation policy" to I-joists and SCL. On-line training modules can show you how (see below).

Learn how I-joists and SCL comply with the Building Code

4 brief online training modules are specifically tailored for Plans Examiners and Inspectors.

Visit this [link](#) to sign up or type this address in your browser:

https://WY.ABSORBTRAINING.com?keyname=WY_CAN_CODE

Get to know your local supplier

Most house framing packages are prepared by a supplier near your municipality. Technicians at these locations prepare product layout drawings for builders, based on the house plans. They typically experience the same challenges with plan quality and are generally aligned with your goals to make sure the structure supports the loads and meets Code. It can be helpful to meet and work together. For locations of Trus Joist product suppliers near you, click [here](#).



See the next page for more information.

More tips to streamline permits:

Take advantage of simple Online Tools to spot check selections

Printable, online span charts are available in several formats for easy design confirmation:

- Can be submitted by house designers in the permit package
- Used for spot checking plans (similar to Building Code tables for lumber).

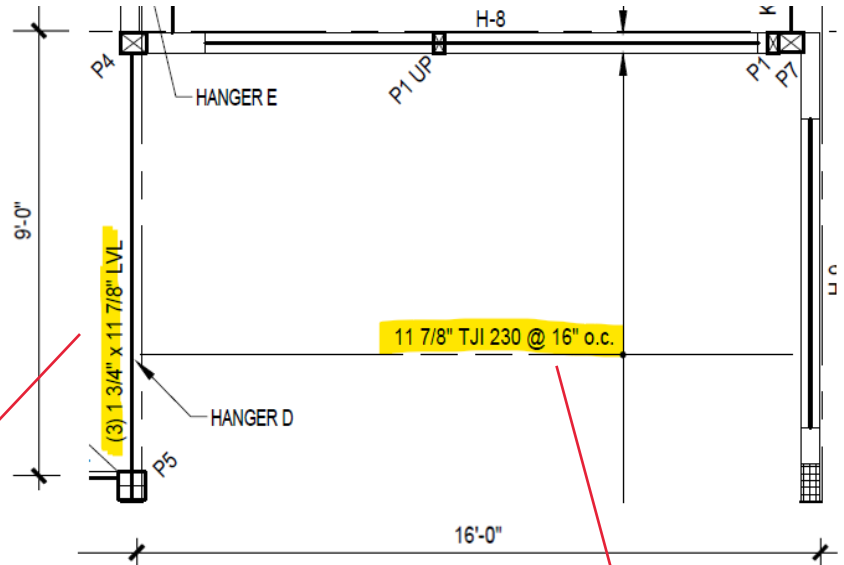
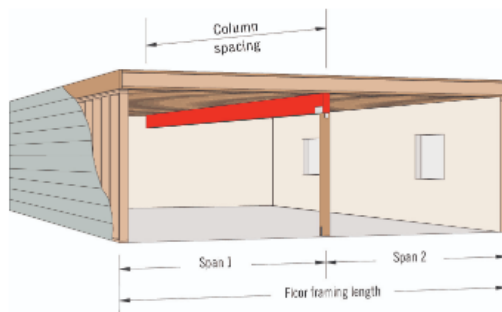
Options for Beams:

"Supported Length" Charts

Product	Clear Span	Maximum Supported Length ^{[4][5]}			
		Beam Depth \ Beam Width			
		11 7/8"			
		1 3/4"	3 1/2"	5 1/4"	7"
2.0E Microllam® LVL	6'	10'-5"	20'-9"	31'-2"	41'-6"
	8'	7'-10"	15'-8"	23'-6"	31'-3"
	10'	6'-3"	12'-6"	18'-10"	25'-1"
	12'	5'-3"	10'-5"	15'-8"	20'-11"

"Quick Sizer" Charts

Floor Beam



TJI joist customizable Span Chart

TJI® Joist	16" o.c.
11 7/8" TJI® 110	16'-11" (39)
11 7/8" TJI® 210	17'-5" (40)
11 7/8" TJI® 230	17'-8" (41)
11 7/8" TJI® 360	18'-4" (42)
11 7/8" TJI® 560	20'-1" (43)

Contact us:

Visit our Specification Center for contacts and more information:

Eastern Canada: <https://wy.com/ECspec>

Western Canada: <https://wy.com/WCspec>