

## Efficiency Tip 15006

# Floor System Comparison Tool

The Floor System Comparison Tool allows you to compare floor system values (TJ-Pro™ Rating, design results, price per ft, total price and wood volume) for each floor container, then automatically update the existing selected members in the floor container to match the selection.

### To use the Floor System Comparison tool:

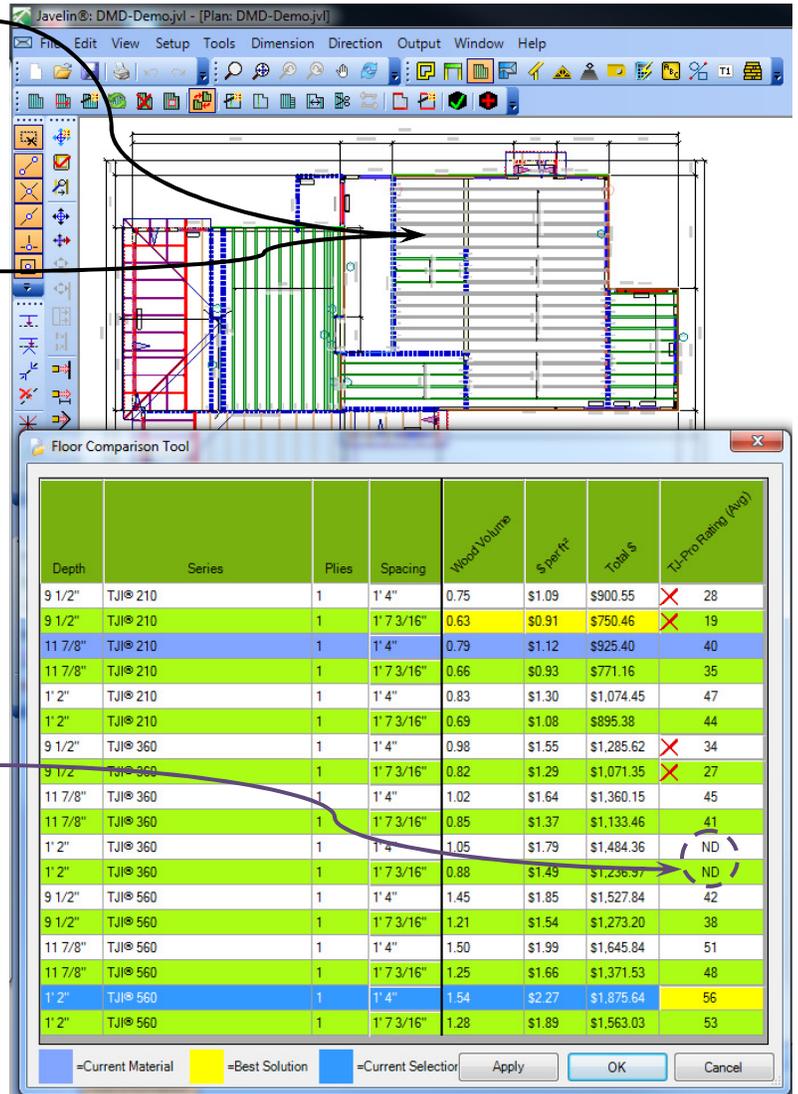
1. Select a Floor Container or a group of joist member(s) in the Floor Container.
2. Select the **Floor System Comparison Tool** on the Floor Container toolbar.

OR

1. Select the **Floor System Comparison Tool** on the Floor Container toolbar.
2. Select a Floor Container or a group of joist member(s) in the Floor Container.

The **Floor System Comparison Tool** has been designed to work both ways. The system determines the floor system values for each of the selected materials, plies and spacing's and displays those values in a dialog. The line items in the dialog will match the material; ply and spacing turned on in the **Consider List** and **Floor Container** (the product must be on in both for it to display). The row for the current default material specified for the floor container will be highlighted in a light blue. The "Best Solution" for each comparison value (each column) will be highlighted in yellow. The red X indicates one of the joist members fails for that solution. **ND** indicates the member(s) was **Not Designed** and no value is available to display.

**Note:** The comparison value for \$ per ft<sup>2</sup> and Total \$ are calculated using the Floor Container Area and Joist cost per square foot base on the pricing in your Cost Group used by the Consider List and **excludes** beams, accessories & sheathing materials. This dollar amount does **NOT** represent actual material list cost in the model.



Depth	Series	Plys	Spacing	Wood Volume	\$ per ft	Total \$	TJ-Pro Rating (Avg)
9 1/2"	TJI® 210	1	1'4"	0.75	\$1.09	\$900.55	28
9 1/2"	TJI® 210	1	1'7 3/16"	0.63	\$0.91	\$750.46	19
11 7/8"	TJI® 210	1	1'4"	0.79	\$1.12	\$925.40	40
11 7/8"	TJI® 210	1	1'7 3/16"	0.66	\$0.93	\$771.16	35
1'2"	TJI® 210	1	1'4"	0.83	\$1.30	\$1,074.45	47
1'2"	TJI® 210	1	1'7 3/16"	0.69	\$1.08	\$895.38	44
9 1/2"	TJI® 360	1	1'4"	0.98	\$1.55	\$1,285.62	34
9 1/2"	TJI® 360	1	1'7 3/16"	0.82	\$1.29	\$1,071.35	27
11 7/8"	TJI® 360	1	1'4"	1.02	\$1.64	\$1,360.15	45
11 7/8"	TJI® 360	1	1'7 3/16"	0.85	\$1.37	\$1,133.46	41
1'2"	TJI® 360	1	1'4"	1.05	\$1.79	\$1,484.36	ND
1'2"	TJI® 360	1	1'7 3/16"	0.88	\$1.49	\$1,236.97	ND
9 1/2"	TJI® 560	1	1'4"	1.45	\$1.85	\$1,527.84	42
9 1/2"	TJI® 560	1	1'7 3/16"	1.21	\$1.54	\$1,273.20	38
11 7/8"	TJI® 560	1	1'4"	1.50	\$1.99	\$1,645.84	51
11 7/8"	TJI® 560	1	1'7 3/16"	1.25	\$1.66	\$1,371.53	48
1'2"	TJI® 560	1	1'4"	1.54	\$2.27	\$1,875.64	56
1'2"	TJI® 560	1	1'7 3/16"	1.28	\$1.89	\$1,563.03	53

3. Select the desired floor system option (Depth, Material, Ply and Spacing) in the Floor System Comparison dialog by clicking in the row. Click the Apply button to change the selected object to the desired solution. The Floor System Comparison Tool continues/repeats once updates are complete.

**Note:** The application will apply selected material to selected members and not to the entire Floor Container. When the current selection is a set of floor joists and a material and/or ply update is specified, the Floor System Comparison tool will update the selected member(s) properties. When the current selection is a set of floor joists and a spacing update is specified, the Floor System Comparison tool will trigger the Quick Edit command to update the selected members.