TOTALJOIST has been used on projects of all sizes and complexities by leading developers and architects.

THE WELLINGTON CONDO RESIDENCES
St. Catharines, Ontario

VIBE CONDOS
Burlington, Ontario

MORGAN INVESTMENT HEAD OFFICE
Burlington, Ontario

19 FENNINGS STREET
Toronto, Ontario

MARANATHA FREE REFORM CHURCH
Hamilton, Ontario

MOOSE CREE ELDERS FACILITY
Moose Factory, Ontario

OPP DETACHMENT
Teviotdale, Ontario

NORTHWEST RUBBER MEZZANINE
Brampton, Ontario
TotalJoist is an easy to install cold-formed steel floor joist that offers a robust, simplified framing solution compared to traditional wood or steel joists. The proprietary design allows TotalJoist to be installed similar to wood I-joists. With the superior strength and structural integrity of steel, TotalJoist is the most accommodating joist in the floor framing industry.

**EFFICIENT INSTALLATION AND DESIGN FLEXIBILITY**

TotalJoist will save you time and money, and provide efficiencies in installation. Architects love TotalJoist’s ability to dramatically increase design options by allowing for unprecedented spans that create larger, open space rooms with higher strength.

**ACCOMMODATES DIFFERENT BUILDING TYPES**

Designed specifically to work with all wall structures including wood framing, steel framing, masonry and ICF, TotalJoist can be quickly and easily assembled by any framing team or trade.
## Key Benefits

### Vibration Control
iSPAN’s vibration-controlled floor design means TotalJoist floors deliver industry leading comfort. Our proprietary software accounts for the effects of the supporting structure and has been calibrated based on real world testing of actual buildings.

### High Fire and Acoustic Ratings
Non-combustible with a One-Hour Fire Rating (UL, ULC Rated) and 50 STC Acoustic Rating with a single layer of gypsum.

### Unmatched Spans
Unmatched clear span vs. i-wood allows for open design and bigger rooms. Up to 30% greater spans than engineered lumber.

### Dimensionally Stable
Manufactured to a tight tolerance in a quality controlled environment. Inherent nature of steel means no shrinking, twisting, warping, etc., or damage from termites or mold.

### Eliminate Bulkheads
Eliminate bulkheads to create more modern and spacious rooms that make units more marketable in today’s market.

### More Design Options
Create higher ceilings, slimmer bulkheads and decreased floor depth using a lower-profile joist that is up to 30% shallower than i-wood.

### Green Friendly
100-year+ life expectancy, highly durable, reclaimable, recyclable, dismantlable and made from 90% recycled material.

### Less Waste
Designed and delivered to site pre-cut to required lengths and quantities specific to each job, TotalJoist makes for a cleaner construction site and less waste material to dispose of.

### Handle and Carry
Composite TotalJoist is available in 8” to 18” depth.

### Available in Multiple Depths
Total Joist is available in 9 1/2”, 11 7/8”, 14” and 16”.

### Ease for Follow-Up Trades
Reduce the complexity of service-heavy follow-up trades by taking advantage of large pre-cut service and wiring openings.

### Adjustable End Connectors
Easily make adjustments needed on site.

### 3D Modelling
Resolve issues and reduce errors with pre-construction planning.

### Approvals
UL/ULC Rated plywood sheathed, 1 hour fire, 50 STC acoustic rated, single layer of gypsum.
# UNMATCHED SPANS OFFER DESIGN FLEXIBILITY

40 psf Live Load, L/480 Live Load Deflection Limit | Residential Loading, Vibration Controlled

<table>
<thead>
<tr>
<th>Joist Depth</th>
<th>ISPAN® Joist</th>
<th>UNTOPPED</th>
<th>1 -1/2” GYPCRETE TOPPING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>40 psf Live Load / 25 psf Dead Load</td>
<td>40 psf Live Load / 37.5 psf Dead Load</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12” o.c</td>
<td>16” o.c</td>
</tr>
<tr>
<td>9-1/2”</td>
<td>9.5-i-2</td>
<td>20’ 4”</td>
<td>18’ 6”</td>
</tr>
<tr>
<td></td>
<td>9.5-i-3</td>
<td>21’ 9”</td>
<td>20’ 1”</td>
</tr>
<tr>
<td></td>
<td>9.5-i-4</td>
<td>23’ 2”</td>
<td>21’ 7”</td>
</tr>
<tr>
<td>11-7/8”</td>
<td>11.875-i-2</td>
<td>24’ 4”</td>
<td>22’ 4”</td>
</tr>
<tr>
<td></td>
<td>11.875-i-3</td>
<td>26’ 0”</td>
<td>24’ 2”</td>
</tr>
<tr>
<td></td>
<td>11.875-i-4</td>
<td>27’ 8”</td>
<td>25’ 10”</td>
</tr>
<tr>
<td>14”</td>
<td>14-i-2</td>
<td>27’ 8”</td>
<td>25’ 7”</td>
</tr>
<tr>
<td></td>
<td>14-i-3</td>
<td>29’ 5”</td>
<td>27’ 5”</td>
</tr>
<tr>
<td></td>
<td>14-i-4</td>
<td>31’ 0”</td>
<td>28’ 10”</td>
</tr>
<tr>
<td>16”</td>
<td>16-i-2</td>
<td>30’ 6”</td>
<td>28’ 6”</td>
</tr>
<tr>
<td></td>
<td>16-i-3</td>
<td>32’ 2”</td>
<td>30’ 1”</td>
</tr>
<tr>
<td></td>
<td>16-i-4</td>
<td>33’ 11”</td>
<td>31’ 8”</td>
</tr>
</tbody>
</table>

**NOTES**

1. Spans are controlled by strength and serviceability, including VIBRATION CONTROL, see TotalJoist Tech Guide for clarification.
2. Span charts are provided for general information and should not be used for design and / or installation.
3. Spans in orange areas indicate optimal joist pricing, plywood can be nailed down to joist.
4. Unshaded areas are heavier material typically used for girders, sheeting must be screwed down to joist.
COULD TOTALJOIST BE RIGHT FOR YOUR NEXT PROJECT?

We'd be happy to provide more information about our systems, answer questions, or review drawings for your upcoming project.

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