



# FTC Floor Truss Clips

The FTC slides easily onto the top or bottom chord and provides a guide to help position and support the second truss during assembly.

**Materials:** 18 gauge

**Finish:** G90 galvanizing

**Codes:** Factored resistances are derived from data submitted to various North American building code evaluators.

**Installation:**

- Use all specified fasteners.
- The truss designer must determine the number of clips required and the spacing between clips based on loading conditions.

**Concentrated Load condition (side-loaded onto a 2-ply truss):**

- The FTC clips shall be installed in pairs, or multiples of two, on either side of, and within 12" of a concentrated load.
- Divide half of the concentrated load by the clip capacity to determine the number of clips required.

**Example:**

Concentrated load = 3000 lbs. FTC1 capacity (SPF) = 1080 lbs

$$\frac{1/2 (3000 \text{ lbs})}{1080 \text{ lbs}} = 1.4 = 2 \text{ clips}$$

Install two FTC1 clips, one on each side of, and within 12" of the concentrated load.

**Uniform Load condition (side-loaded onto a 2-ply truss):**

- To transfer uniform loads to the second ply, the FTC clips shall be installed at an uniform interval along the loaded chord. Spacing between clips is limited to 24" maximum.
- Divide the clip capacity by half of the required load per lineal foot (PLF) to determine the spacing between clips.

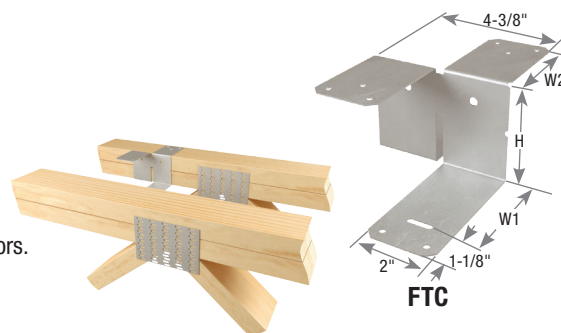
**Example:**

Uniformly distributed load = 500 PLF.

FTC1 capacity (SPF) = 1080 lbs

$$\frac{1080 \text{ lbs}}{1/2 (500 \text{ PLF})} = 4.32' \text{ spacing}$$

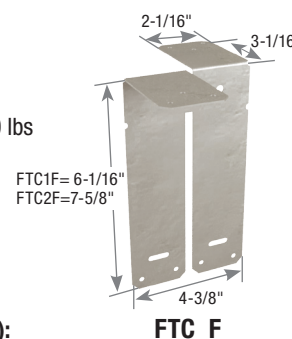
Space clips at 24" (MAX) along the loaded chord.



Typical FTC installation



Typical FTC 2-ply metal web truss installation



FTC\_F



Step 1



Step 2

Typical FTC2F retrofit installation

Truss Size	USP Stock No.	Steel Gauge	Dimensions (in)			Fastener Schedule <sup>3</sup>		Factored Maximum Transfer Resistance <sup>1,2</sup>			
			W1	W2	H	Qty	Type	DF-L (Lbs)	DF-L (kN)	S-P-F (Lbs)	S-P-F (kN)
								100%	100%	100%	100%
3 x 2	FTC32	18	2-1/2	2-1/16	1-1/2	10	10d x 1-1/2	980	4.36	850	3.78
4 x 2	FTC1	18	3-1/2	3-1/16	1-1/2	10	10d x 1-1/2	1245	5.54	1080	4.80
	FTC1F	18	---	---	---	10	10d x 1-1/2	1245	5.54	1080	4.80
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1) Factored transfer resistances are for 100% floor load, and shall not be increased for short term load duration.  
 2) Truss designer shall determine the number of clips for concentrated loads and the spacing for uniform loads.  
 3) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.

Use in conjunction with USP's current Canadian Product Catalogue for detailed hanger information.



Nov. 28, 2016



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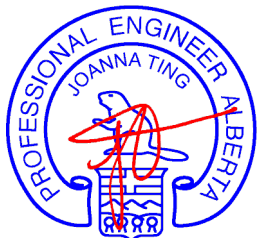
Valid through Dec. 31, 2018

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APEGA  
Permit No. P3837



Nov. 28, 2016

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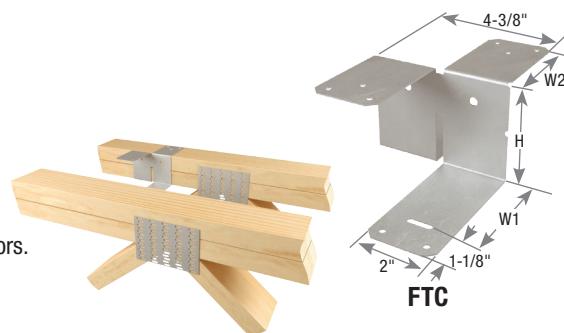
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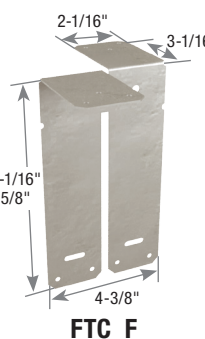
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Typical FTC 2-ply metal web truss installation



FTC\_F



Step 1



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Nov. 28, 2016

APEGM  
Certificate No. 96



Nov. 28, 2016

APEGS  
Certificate No. C0940



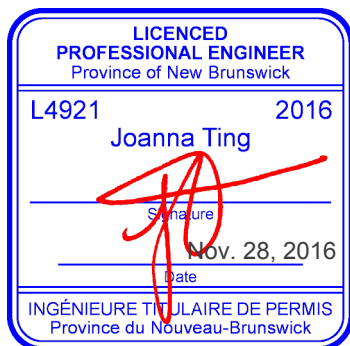
Nov. 28, 2016

YR. MN. DAY



# FTC Floor Truss Clips

APEGNB  
Certificate No. F0649



APENS  
Permit No. 15800 0

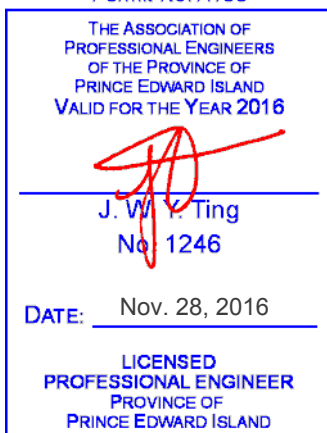


Nov. 28, 2016

PEG  
Permit No. D0027



APEPEI  
Permit No. A195



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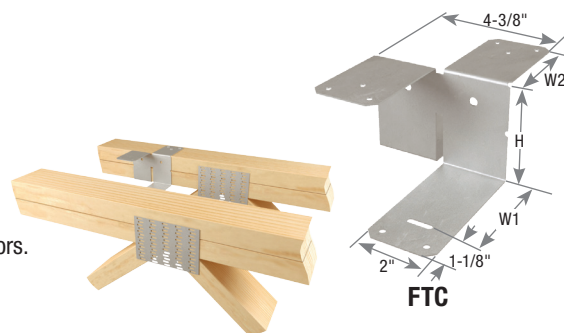
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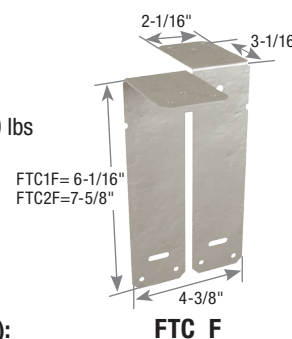
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