

# LFTA6 / RT Rafter Ties



These anchors tie trusses and rafters to top plates and may be used to tie wood framing members to resist uplift and lateral forces.

**Materials:** See chart.

**Finish:** G90 galvanizing

**Options:** See current catalogue for Corrosion Finish Options.

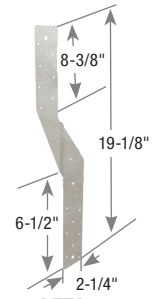
**Codes:** Factored resistances are derived from data submitted to various North American building code evaluators.



**Typical LFTA6 truss-to-top plate installation**



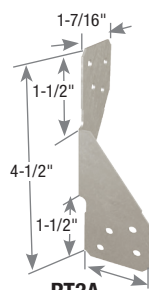
**Typical LFTA6 stud to plate installation**



**LFTA6 (Left version shown)**



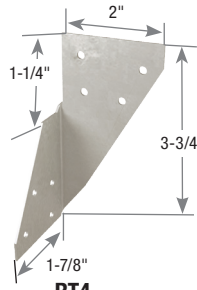
**Typical RT3A truss/rafter to plate installation**



**RT3A**



**Typical RT4 truss/rafter to plate installation**

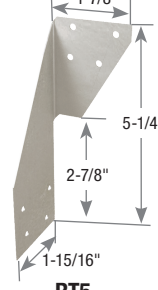


**RT4**

(Left version shown)



**Typical RT5 truss/rafter to double plate installation**

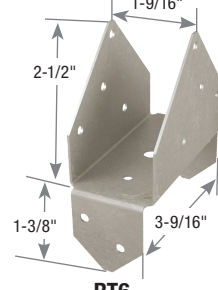


**RT5**

(Left version shown)



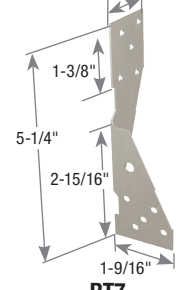
**Typical RT6 truss/rafter to plate installation**



**RT6**



**Typical RT7 truss/rafter to double plate installation**

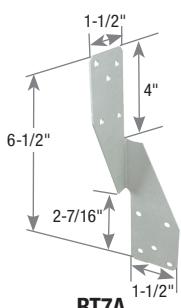


**RT7**

(Left version shown)



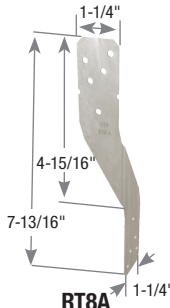
**Typical RT7A truss/rafter to double plate installation**



**RT7A**



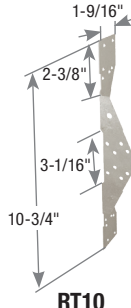
**Typical RT8A stud to double plate installation**



**RT8A**



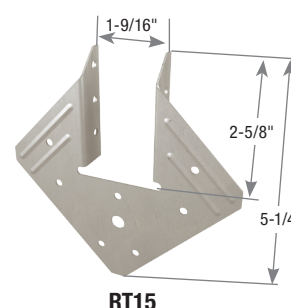
**Typical RT10 truss/rafter to double plate to stud installation**



**RT10**



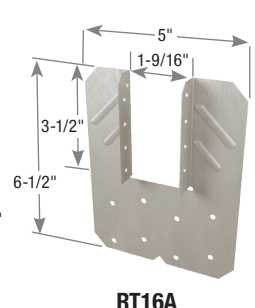
**Typical RT15 truss/rafter to double plate installation**



**RT15**



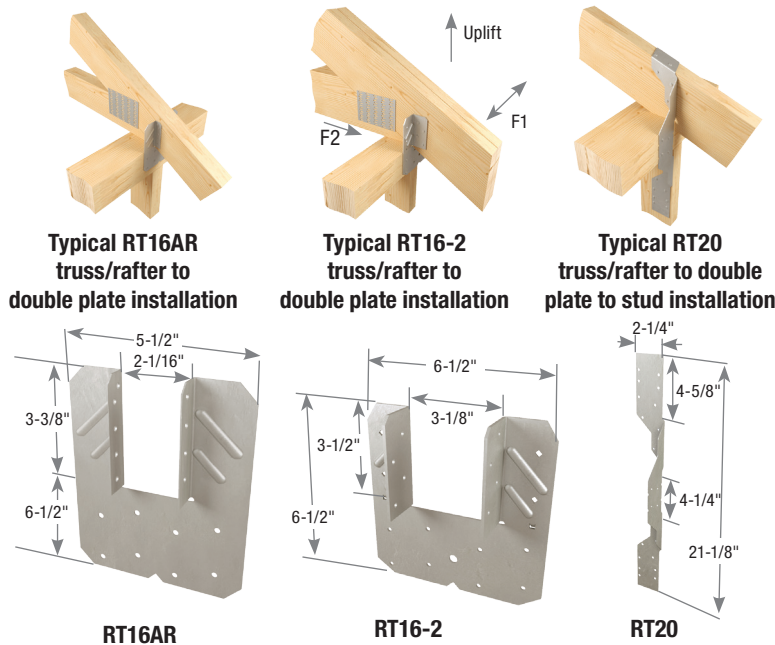
**Typical RT16A truss/rafter to double plate installation**



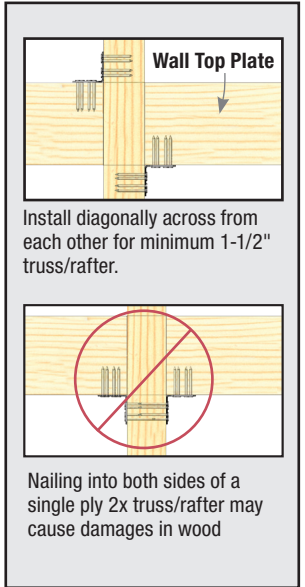
**RT16A**

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

# LFTA6 / RT Rafter Ties



**Anchor installation to achieve twice the load (using two identical anchors)**



**Installation:**

- Use all specified fasteners.
- All nail holes must be filled with specified nails to achieve loads listed in the chart. For substituting with different nail sizes, refer to "Optional Nails" chart in the USP catalog or consult a design professional.
- Depending on pitch, birdsmouth notching may be required with some models to enable installers to fill all nail holes. Consult a design professional for appropriate notching.
- Designer shall determine if solid blocking is required.
- LFTA6, RT4, RT5, and RT7 ship in equal quantities of left and right versions. Left version images shown.

USP Stock No.	Fastener Schedule <sup>3</sup>						DF Factored Resistance (115%) <sup>1</sup>						S-P-F Factored Resistance (115%) <sup>1</sup>					
	Plate			Truss/Rafter Qty	Stud Qty	Type	Lbs.			kN			Lbs.			kN		
	Ga.	Qty	Type				Uplift	F1	F2	Uplift	F1	F2	Uplift	F1	F2	Uplift	F1	F2
RT3A	18	4	8d	4	--	8d	1190	310	310	5.29	1.38	1.38	1020	265	265	4.54	1.18	1.18
RT4	18	4	8d	4	--	8d	760	350	350	3.38	1.56	1.56	650	300	300	2.89	1.33	1.33
RT5	18	4	8d	4	--	8d	995	425	425	4.43	1.89	1.89	855	365	365	3.80	1.62	1.62
RT6	18	6	10d x 1-1/2	8	--	10d x 1-1/2	1070	1310	1310	4.76	5.83	5.83	915	1125	1125	4.07	5.00	5.00
RT7	18	5	8d	5	--	8d	940	315	315	4.18	1.40	1.40	805	270	270	3.58	1.20	1.20
RT7A	18	5	8d	5	--	8d	1235	345	345	5.49	1.53	1.53	1060	295	295	4.72	1.31	1.31
RT8A	18	5	10d x 1-1/2	5	--	10d x 1-1/2	1430	350	350	6.36	1.56	1.56	1225	300	300	5.45	1.33	1.33
RT10	18	8	8d	6	6	8d	940	315	315	4.18	1.40	1.40	805	270	270	3.58	1.20	1.20
RT15	18	5	8d	5	--	8d x 1-1/2	975	925	485	4.34	4.11	2.16	835	795	415	3.71	3.54	1.85
RT16A	18	8	10d	9	--	10d x 1-1/2	2545	1285	1195	11.32	5.72	5.32	2180	1100	1025	9.70	4.89	4.56
RT16AR	18	8	10d	9	--	10d x 1-1/2	2545	1285	1195	11.32	5.72	5.32	2180	1100	1025	9.70	4.89	4.56
RT16-2	18	8	8d	8	--	8d	1860	1050	675	8.27	4.67	3.00	1595	900	580	7.09	4.00	2.58
LFTA6 <sup>2</sup>	16	8	8d	8	--	8d	1265	870	--	5.63	3.87	--	1075	775	--	4.78	3.45	--
RT20	16	4	10d	9	9	10d x 1-1/2	1925	--	--	8.56	--	--	1650	--	--	7.34	--	--

- 1) 15% increase for short-term loads such as wind and earthquake has been taken into account for factored resistances, no further increase allowed.
- 2) LFTA6: To achieve F1 lateral loads, three nails must be installed on each side on the strap located closest to the bend line. Lateral F1 load direction does not apply to roof truss-to-top plate installations.
- 3) **NAILS:** 8d x 1-1/2" are 0.131" dia. x 1-1/2" long, 8d nails are 0.131" dia. x 2-1/2" long, 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.

PEO  
Certificate No. 10889485



Dec. 7, 2016



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# LFTA6 / RT Rafter Ties



Dec. 7, 2016



Dec. 7, 2016

APEGM Certificate No. 96

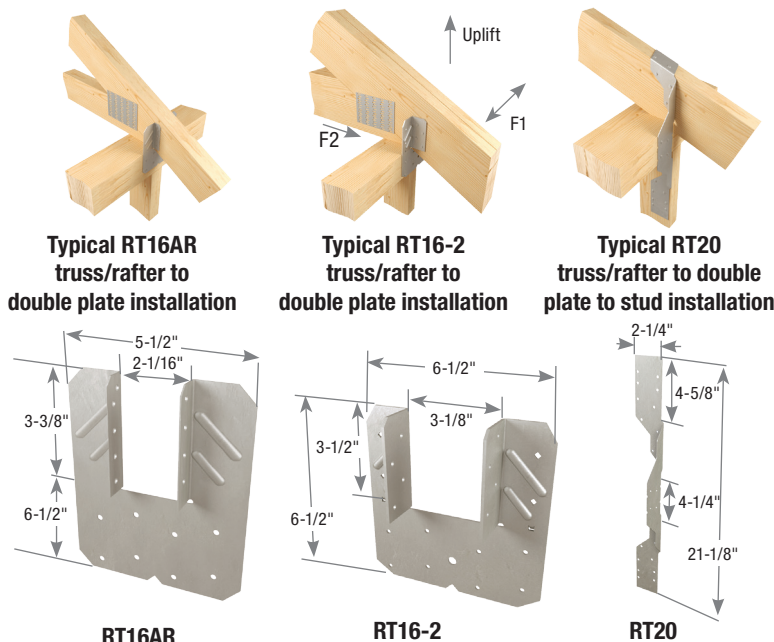


Dec. 7, 2016

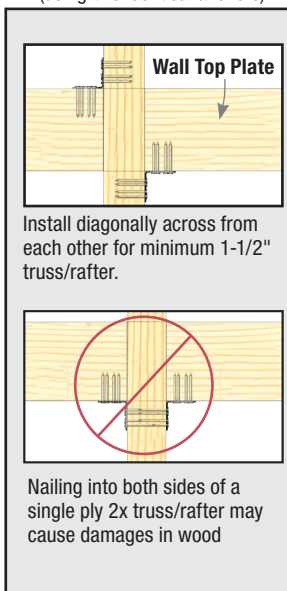
APEGS Certificate No. C0940



Dec. 7, 2016  
YR. MN. DAY



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- Depending on pitch, birdsmouth notching may be required with some models to enable installers to fill all nail holes. Consult a design professional for appropriate notching.
- Designer shall determine if solid blocking is required.
- LFTA6, RT4, RT5, and RT7 ship in equal quantities of left and right versions. Left version images shown.

USP Stock No.	Fastener Schedule <sup>3</sup>						DF						S-P-F					
	Plate			Truss/Rafter Qty	Stud Qty	Type	Factored Resistance (115%) <sup>1</sup>											
	Ga.	Qty	Type				Lbs.		kN		Lbs.		kN					
				Uplift	F1	F2	Uplift	F1	F2	Uplift	F1	F2						
RT3A	18	4	8d	4	--	8d	1190	310	310	5.29	1.38	1.38	1020	265	265	4.54	1.18	1.18
RT4	18	4	8d	4	--	8d	760	350	350	3.38	1.56	1.56	650	300	300	2.89	1.33	1.33
RT5	18	4	8d	4	--	8d	995	425	425	4.43	1.89	1.89	855	365	365	3.80	1.62	1.62
RT6	18	6	10d x 1-1/2	8	--	10d x 1-1/2	1070	1310	1310	4.76	5.83	5.83	915	1125	1125	4.07	5.00	5.00
RT7	18	5	8d	5	--	8d	940	315	315	4.18	1.40	1.40	805	270	270	3.58	1.20	1.20
RT7A	18	5	8d	5	--	8d	1235	345	345	5.49	1.53	1.53	1060	295	295	4.72	1.31	1.31
RT8A	18	5	10d x 1-1/2	5	--	10d x 1-1/2	1430	350	350	6.36	1.56	1.56	1225	300	300	5.45	1.33	1.33
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RT15	18	5	8d	5	--	8d x 1-1/2	975	925	485	4.34	4.11	2.16	835	795	415	3.71	3.54	1.85
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RT16-2	18	8	8d	8	--	8d	1860	1050	675	8.27	4.67	3.00	1595	900	580	7.09	4.00	2.58
LFTA6 <sup>2</sup>	16	8	8d	8	--	8d	1265	870	--	5.63	3.87	--	1075	775	--	4.78	3.45	--
RT20	16	4	10d	9	9	10d x 1-1/2	1925	--	--	8.56	--	--	1650	--	--	7.34	--	--

- 1) 15% increase for short-term loads such as wind and earthquake has been taken into account for factored resistances, no further increase allowed.
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Permit No. D0027

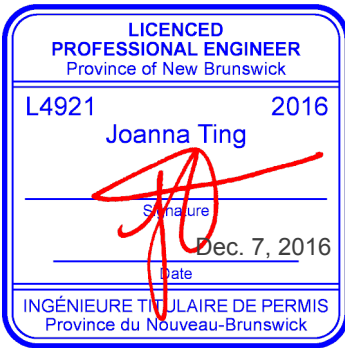


APENS  
Permit No. 15800 0

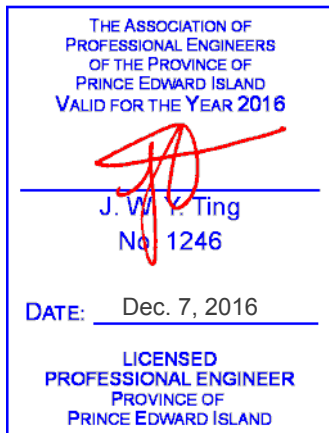


Dec. 7, 2016

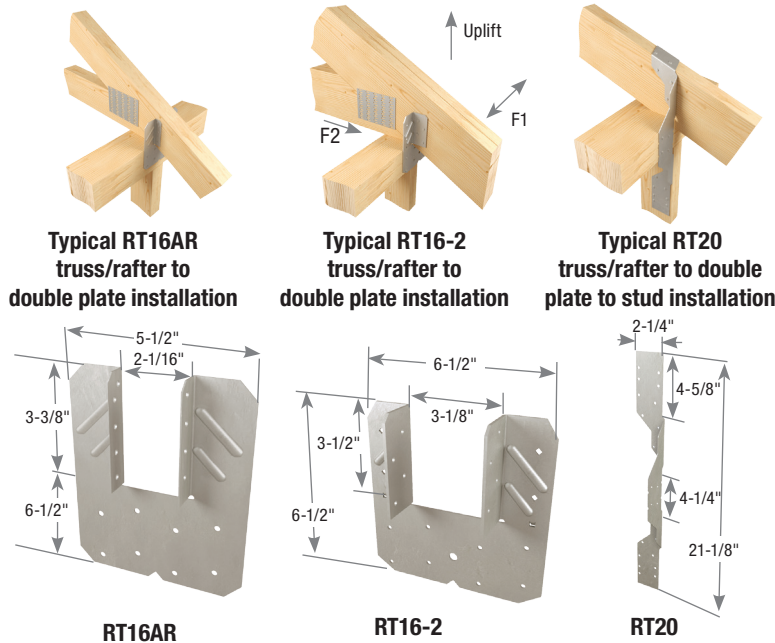
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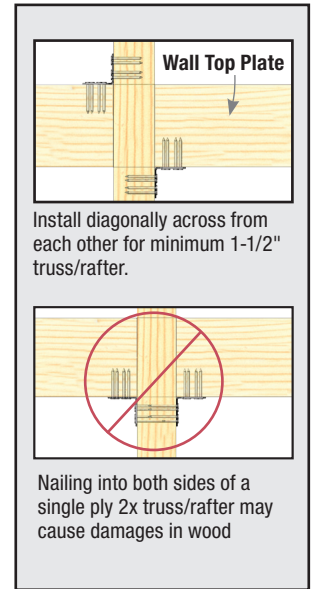
APEPEI  
Permit No. A195



# LFTA6 / RT Rafter Ties



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## Installation:

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- LFTA6, RT4, RT5, and RT7 ship in equal quantities of left and right versions. Left version images shown.

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RT5	18	4	8d	4	--	8d	995	425	425	4.43	1.89	1.89	855	365	365	3.80	1.62	1.62
RT6	18	6	10d x 1-1/2	8	--	10d x 1-1/2	1070	1310	1310	4.76	5.83	5.83	915	1125	1125	4.07	5.00	5.00
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RT8A	18	5	10d x 1-1/2	5	--	10d x 1-1/2	1430	350	350	6.36	1.56	1.56	1225	300	300	5.45	1.33	1.33
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RT20	16	4	10d	9	9	10d x 1-1/2	1925	--	--	8.56	--	--	1650	--	--	7.34	--	--

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