

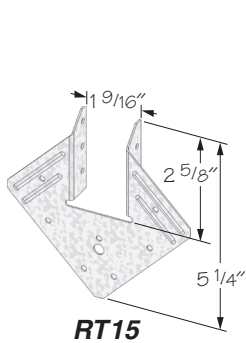
Typical RT15 truss/rafter to double plate installation

Typical RT16 truss/rafter to double plate installation

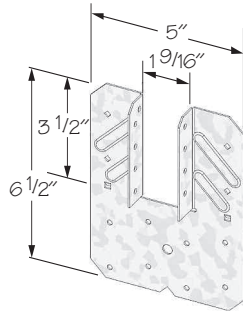
Typical RT16A truss/rafter to double plate installation

Typical RT16-2 truss/rafter to double plate installation

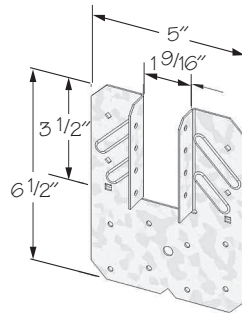
Typical RT20 truss/rafter to double plate to stud installation



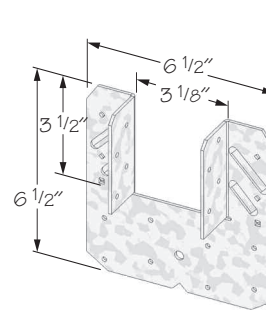
RT15



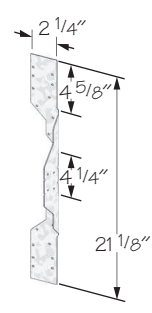
RT16A



RT16



RT16-2



RT20

Installation:

- Use all specified fasteners. See Product Notes, page 16.
- All nail holes must be filled with specified nails to achieve loads listed in the chart.
- Depending on pitch, birdsmouth notching may be required with some models to enable installers to fill all nail holes.
- Designer shall determine if solid blocking is required.

In some applications rafter ties are required by the codes to connect roof assemblies to the wall below.
IRC 802.10.5, IBC 2308.10.1, UBC 2337.5.8.

USP Stock No.	Ref. No.	Steel Gauge	Fastener Schedule ^{2,3,4,5}			Allowable Loads (Lbs.) ¹													
			Truss/Rafter	Plate	Stud	DF-L / SP						S-P-F							
						F1		F2		Uplift		F1		F2		Uplift			
						133%	160%	133% / 160%	133%	160%	133% / 160%	133%	160%	133% / 160%	133%	160%	133% / 160%		
RT3	---	18	(4) 8d	(4) 8d	---	150	150	150	505	550	505	550	130	130	130	430	520	430	530
RT3A	H3	18	(4) 8d	(4) 8d	---	135	135	135	505	610	505	610	135	135	135	430	520	430	520
RT4	H4	18	(4) 8d	(4) 8d	---	215	215	215	410	410	410	410	215	215	215	410	410	410	410
RT5	H5	18	(4) 8d	(4) 8d	---	260	260	260	505	540	505	540	260	260	165	430	520	430	520
RT6	HS24	18	(8) 10d x 1-1/2	(6) 10d x 1-1/2	---	800	800	800	665	665	665	665	690	690	690	575	575	575	575
RT7	H2.5	18	(5) 8d	(5) 8d	---	170	170	170	585	585	585	585	170	170	170	540	585	540	585
RT7A	H2.5A	18	(5) 8d	(5) 8d	---	200	200	200	635	670	635	670	200	200	200	540	650	540	650
RT8A	H8	18	(5) 10d x 1-1/2	(5) 10d x 1-1/2	---	190	190	190	745	775	635	760	190	190	190	645	775	540	650
RT10	H2	18	(6) 8d	(8) 8d	(6) 8d	170	170	170	585	585	585	585	170	170	170	540	585	540	585
RT12A	H5A	18	(3) 8d	(3) 8d	---	140	140	140	380	455	380	455	140	140	125	325	390	325	390
RT15	H1	18	(5) 8d x 1-1/2	(5) 8d	---	500	500	300	530	530	530	530	340	410	300	340	410	340	410
RT16	H10	18	(8) 8d x 1-1/2	(8) 8d	---	645	645	650	1015	1030	1015	1030	545	645	650	865	1030	865	1030
RT16A	---	18	(9) 10d x 1-1/2	(8) 10d	---	800	800	800	1215	1380	1015	1030	800	800	800	1045	1255	865	1030
RT16-2	H10-2	18	(8) 8d	(8) 8d	---	655	655	410	1015	1160	1015	1160	550	550	345	875	975	875	975
HHCP2	HCP2	18	(10) 10d x 1-1/2	(10) 10d x 1-1/2	---	370	370	---	800	800	800	800	370	370	---	800	800	800	800
HC520	GBC	18	---	(11) 8d	(6) 8d	410	410	450	515	515	515	515	355	355	390	445	445	445	445
HCPRS	---	18	---	(5) 8d	(6) 8d	235	235	395	540	540	540	540	200	200	340	465	465	465	465
HCPRS3	---	18	---	(6) 8d	(6) 8d	---	---	---	540	540	540	540	---	---	---	465	465	465	465
RT20	H7	16	(9) 10d x 1-1/2	(4) 10d	(9) 10d x 1-1/2	---	---	---	1200	1200	1140	1200	---	---	---	950	1140	890	1065

1) Allowable loads have been increased 33-1/3% or 60% for wind or seismic loads; no further increase shall be permitted.
 2) 8d common nails may be substituted for 8d x 1-1/2 nails, and 10d common nails may be substituted for 10d x 1-1/2 nails.
 3) 8d x 1-1/2 nails are 11 gauge (0.131" diameter) by 1-1/2" long.
 4) 10d x 1-1/2 nails are 9 gauge (0.148" diameter) by 1-1/2" long.
 5) Minimum nail penetration shall be 1-5/16" for 8d nails and 1-1/2" for 10d nails.
 New products or updated product information are designated in red.