



Hurricane Anchor Installation to Achieve Twice the Load

MiTek addresses the re-occurring installation of hurricane anchors nailed into a single ply truss/rafter member on the same side of the top plate (see **Figure 2**). Based on testing, MiTek determined there is a reduction in uplift resistance.

MiTek recommends installing two identical hurricane anchors in pairs diagonally across from each other for a minimum 1-1/2" truss to achieve full catalog value per anchor (see **Figure 1**). Reference Figure 1 uplift values in the chart below.

MiTek understands that correcting the installation after the fact can be expensive and perhaps unnecessary if the design loads can be satisfied after the connectors are installed on the same side of the top plate (see **Figure 2**). For this type of installation, reference Figure 2 uplift values in the chart below assigned per anchor.

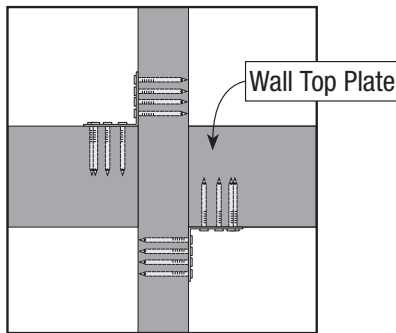


FIGURE 1

Install diagonally across from each other for minimum 1-1/2" truss/rafter. This installation yields full catalog values for each connector.

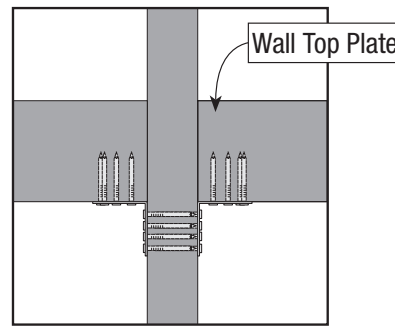
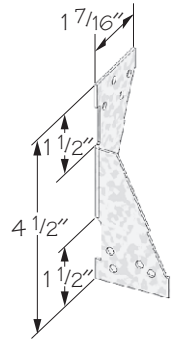
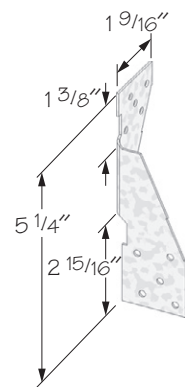


FIGURE 2

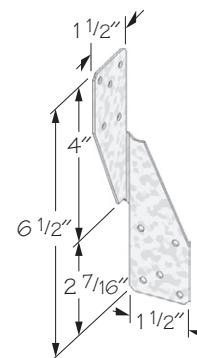
Nailing into both sides of a single ply 2x truss/rafter may cause damages in wood. This installation yields the allowable load for each connector listed in the table below.



RT3A



RT7



RT7A

MiTek Stock No.	Steel Gauge	Fastener Schedule ³				Installation Type	Allowable Loads (Lbs.) ^{1,2}	
		Truss/Rafter		Plate			Uplift	
		Qty	Type	Qty	Type		DF/SP 160%	S-P-F 160%
RT3A	18	4	8d x 1-1/2	4	8d	Figure 1	350	310
						Figure 2	300	260
RT7	18	5	8d x 1-1/2	5	8d	Figure 1	540	475
						Figure 2	515	445
RT7A	18	5	8d x 1-1/2	5	8d	Figure 1	580	510
						Figure 2	605	520

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) Allowable loads are per anchor.

3) 8d x 1-1/2 nails are 0.131" dia. x 1-1/2" long. 8d common nails (0.131" dia. x 2-1/2" long) may be substituted for 8d x 1-1/2 nails.

Customer Service & Technical Assistance

Phone: 1-800-328-5934 • Fax: 1-952-898-8605 • Email: USPcustomerservice@mii.com

MiTek-US.com