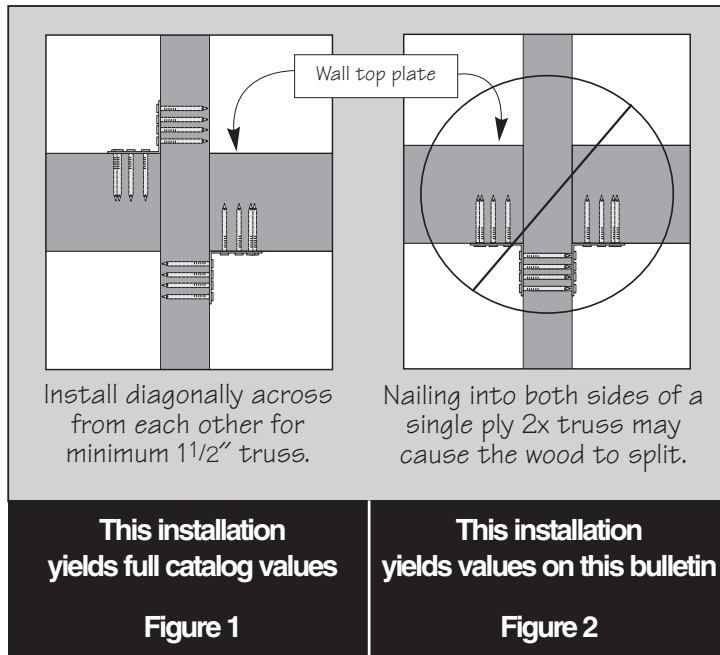


ALLOWABLE LOADS FOR HURRICANE ANCHORS INSTALLED IN PAIRS

USP Structural Connectors recently conducted testing to address 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) From these tests, USP determined there is a reduction in uplift resistance.

USP recommends installing hurricane anchors in pairs diagonally across from each other for a minimum 1-1/2" truss to achieve twice the load value. (See Figure 1)



RT3A



RT7A

USP understands that correcting the installation after the fact can be expensive and perhaps unnecessary if the design loads can be satisfied with this installation. Reference the table below for uplift values assigned per anchor. (See Figure 2)

USP Stock No.	Ref. No.	Steel Gauge	Fastener Schedule ^{3,4}		Allowable Loads (Lbs.) ^{1,2}			
			Truss/Rafter	Plate	Uplift			
					DF-L / SP		S-P-F	
					133%	160%	133%	160%
RT3A	H3	18	(4) 8d x 1-1/2	(4) 8d	300	300	260	260
RT7	H2.5	18	(5) 8d x 1-1/2	(5) 8d	515	515	445	445
RT7A	H2.5A	18	(5) 8d x 1-1/2	(5) 8d	605	605	520	520

- 1) Allowable loads have been increased 33-1/3% or 60% for wind or seismic loads; no further increase shall be permitted.
- 2) Allowable loads are per anchor.
- 3) 8d common nails may be substituted for 8d x 1-1/2 nails.
- 4) Minimum nail penetration shall be 1-5/16" for 8d nails.

TECH BULLETIN



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