

# TECHNICAL BULLETIN

Issue Date : July 22, 2015

No. 99-399-15

## 138T 16" 24 Ga. Shingle Recover System

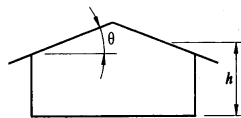
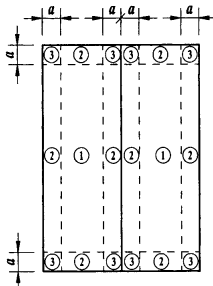


### Manufacturer's Recommended Fastening Pattern For Buildings Less than 40' Maximum Roof Height Roof Pitch 7°(1.5:12 ) to 27°(6.1:12)

Fastening Pattern for Various Wind Speeds (NG= No Good)						
Fastener	Clip Type	Substrate	Wind Speed	Roof Zone 1	Roof Zone 2	Roof Zone 3
2 (4) #14-10 Type A per clip	8" Shingle Recover Clip	7/16" OSB	100-125 MPH	24" (36")	12" (30")	9" (18")
			125-150 MPH	18" (36")	9" (18")	NG (12")
			150-175 MPH	12" (24")	NG (12")	NG (9")
2 (4) #14-10 Type A per clip	8" Shingle Recover Clip	1/2" Plywood	100-125 MPH	36" (36")	24" (36")	12" (36")
			125-150 MPH	24" (36")	12" (36")	12" (30")
			150-175 MPH	24"(36")	12"(24")	9"(18")
			175-200 MPH	18"(36")	9"(18")	NG(12")
2 (4) #14-10 Type A per clip	8" Shingle Recover Clip	5/8" Plywood	100-125 MPH	36"(36")	36"(36")	24"(36")
			125-150 MPH	36"(36")	24"(36")	12"(36")
			150-175 MPH	36"(36")	12"(36")	12"(24")
			175-200 MPH	24"(36")	12"(30")	9"(18")
2 (4) #14-10 Type A per clip	8" Shingle Recover Clip	3/4" Plywood	100-125 MPH	36"(36")	36"(36")	24"(36")
			125-150 MPH	36"(36")	36"(36")	24"(36")
			150-175 MPH	36"(36")	24"(36")	12"(30")
			175-200 MPH	30"(36")	18"(36")	12"(12")

Notes:

1. Values in parenthesis indicate clip spacing when (4) fasteners per clip are used.
2. Table is calculated using ASCE 7-10 "Minimum Design Loads for Buildings and Other Structures".
3. Values cannot be utilized for buildings with a peak height greater than 40'.
4. Values cannot be used for buildings with a roof pitch less than 7° or greater than 27°.
5. Values are for buildings located in Exposure C areas.
6. Fastening pattern is the distance between panel clips.
7. Calculations use pullout values provided by the screw manufacturer.
8. Factor of safety used for pullout is 3.00 when attaching to plywood & OSB. Adjust values accordingly for a different factor of safety.
9. See Diagram below for roof zone definition.
10. This table should be used for estimating purposes only. A professional engineer registered in the state where the project is located should be consulted prior to construction.



Dimension "a" is defined as 10% of the least horizontal dimension or .4h, whichever is smaller, but not less than 4% of the least horizontal dimension or 3 ft. Where "h" is defined as the mean roof height in feet.

**CORPORATE OFFICE  
SHREVEPORT, LOUISIANA**