

TECHNICAL BULLETIN

Issue Date : September 17, 2015

Revised: February 3, 2017

No. 99-400-15

138T 16" 24 Ga. Shingle Recover System

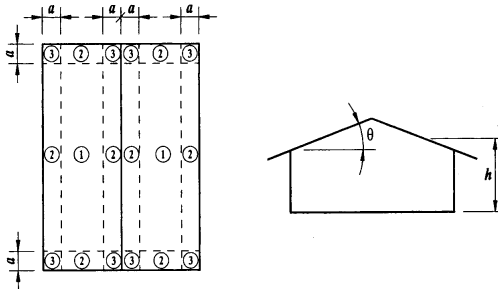


Manufacturer's Recommended Fastening Pattern For Buildings Less than 40' Maximum Roof Height Roof Pitch 7°(1.5:12) to 27°(6.1:12)

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) #12-13 Dekfast per clip	8" Shingle Recover Clip	22 Ga Metal Deck	100-125 MPH	48" (48")	48" (48")	36" (48")
			125-150 MPH	48" (48")	36" (48")	24" (42")
			150-175 MPH	36" (48")	24" (42")	12" (30")
			175-200 MPH	36" (48")	18" (36")	12" (12")
2 (4) #15-13 Dekfast per clip	8" Shingle Recover Clip	24 Ga Metal Deck	100-125 MPH	48" (48")	42" (48")	30" (48")
			125-150 MPH	48" (48")	30" (48")	18" (36")
			150-175 MPH	36" (48")	24" (42")	12" (30")
			175-200 MPH	30" (36")	18" (36")	12" (12")

Notes:

- Values in parenthesis indicate clip spacing when (4) fasteners per clip are used.
- Table is calculated using ASCE 7-10 "Minimum Design Loads for Buildings and Other Structures".
- Values cannot be utilized for buildings with a peak height greater than 40'.
- Values cannot be used for buildings with a roof pitch less than 7° or greater than 27°.
- Values are for buildings located in Exposure C areas.
- Fastening pattern is the distance between panel clips.
- Calculations use pullout values provided by the screw manufacturer.
- Factor of safety used for pullout is 2.25 when attaching to Metal Deck. Adjust values accordingly for a different factor of safety.
- See Diagram below for roof zone definition.
- 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**