

# Technical Bulletin # EPDM –MA02-2017

## Perimeter Enhancement Requirements Mechanically Attached System With 55-MPH Wind Speed Coverage

Mar 2017

### REFER TO TECHNICAL BULLETIN #TPO-EPDM 01-2017 FOR FASTENER SPACING REQUIREMENTS

Limitations	
Contact Mule-Hide for all projects requiring specific Factory Mutual or Building Code compliance such as Florida Product Approval, Texas Department of Insurance, etc.	For buildings 100 ft. or less in height, located in urban, rural or suburban exposure areas. Not applicable for coastal or high wind areas. Maximum design wind speed of 100-MPH.
Building Height	Minimum Perimeter Enhancement Required
0 - 34 feet	1 Perimeter sheet (1)(2)
	1 Perimeter enhancement width (3)
35 – 100 ft	2 Perimeter sheets (1)(2) (wind zones up to 100 mph)
	2 Perimeter Enhancement Widths (2) (wind zones up to 100 mph)
Higher than 100 ft. or higher wind zones.	Contact Mule-Hide Tech. Dept.
Projects in exposure D category (coastal areas)	Contact Mule-Hide Tech. Dept.
Roof edges along interior walls or roof edges with 8 ft. or higher walls. (Walls extend above the roof level)	No perimeter enhancement required
FM Approval	
For buildings where FM approved securement is required and for buildings that do not meet the "Limitations" stated above.	<p>Install perimeter enhancements throughout the corner/perimeter areas of the roof. The width of these areas is determined by the lesser of the following two calculations:</p> <p>a. <math>0.1 \times \text{the building width} =</math> or b. <math>0.4 \times \text{the building height} =</math></p> <p>In no event shall the perimeter/corners be less than 4 ft.</p>

**Notes:**

1. When using Mule-Hide standard sheet widths:
  - a. 8' wide field sheets use 9" RMS no less than 4' no larger than 4'9"
  - b. 10' wide field sheets use 9" RMS no less than 5' no more than 6'
2. If the contractor elects to cut perimeter sheets from scrap membrane, the perimeter sheet dimension **MUST** be as follows:
  - a. 8' wide field sheet – no less than 4' wide to no larger than 4'-9" wide perimeter sheet
  - b. 10' wide field sheet – no less than 5' wide to no more than 6' wide perimeter sheet
  - c.
3. Perimeter enhancement widths are used when the 10" RUSS and/or plates/fasteners through the membrane methods are utilized for perimeters.

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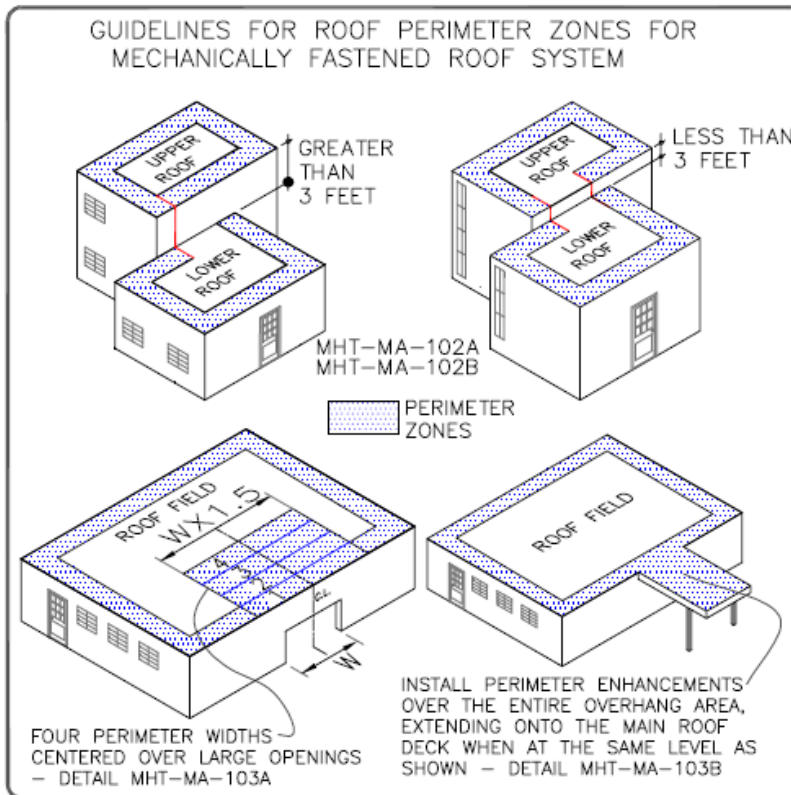
## Perimeter Enhancement Width Dimension

Width of Field Sheet	Perimeter Enhancement Width	
	10" RMS	Plates/Fasteners Through Membrane
8'	4'	4'
10'	5'	5'

**Notes:**

1. The contractor must contact the Mule-Hide Technical Department prior to using 4' or 6' wide field sheets to determine minimum perimeter enhancement requirements.

### Perimeter Zone Definition



Contact Mule-Hide Technical Department for FM compliant roof assemblies, fastener spacing, required perimeter enhancements and appropriate fasteners.

Any information given on this Technical Bulletin is subject to change without notice. Please visit our website at [www.mulehide.com](http://www.mulehide.com) or contact the Mule-Hide Technical Department at (800)-786-1492 for questions or additional information.