

Technical Bulletin # TPO –MA02-2006

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

January 01, 2006
Revised Oct-2013

REFER TO TECHNICAL BULLETIN #TPO-MA01-2006 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.	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: a. $0.1 \times \text{the building width} =$ or b. $0.4 \times \text{the building height} =$ In no event shall the perimeter/corners be less than 4 ft.

Notes:

1. When using Mule-Hide standard sheet widths:
 - a. 8' wide field sheets use 4' wide perimeter sheets
 - b. 10' wide field sheets use 6' wide perimeter sheets
 - c. 12' wide field sheets use 6' wide perimeter sheets.
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. 12' wide field sheet – no less than 6' wide to no more than 7'-2" wide perimeter sheet
3. Perimeter enhancement widths are used when the 10" RUSS and/or plates/fasteners through the membrane methods are utilized for perimeters.

Technical Bulletin # TPO –MA02-2006 (Continued)

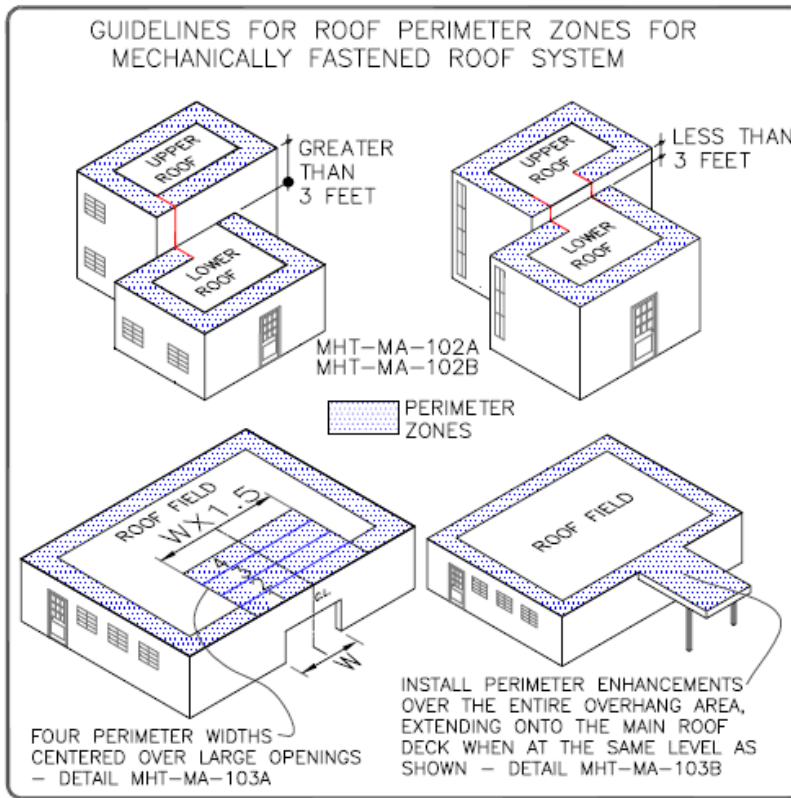
Perimeter Enhancement Width Dimension

Width of Field Sheet	Perimeter Sheet Width (2)	Perimeter Enhancement Width	
		10" RUSS	Plates/Fasteners Through Membrane
4' (1)	N/A	2'	2'
6' (1)	N/A	3'	3'
8'	4'	4'	4'
10'	6'	5'	5'
12'	6'	6'	6'

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.
2. Based on standard size widths provided by Mule-Hide.

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 or contact the Mule-Hide Technical Department at (800)-786-1492 for questions or additional information.