

TECHNICAL ADVISORY BULLETIN



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Largest Roofing Manufacturer!™

To: GAF Commercial Sales, Master Select Contractors, Field Services

From: Technical Services Department

Subject: Single-Ply Perimeter/Corner Picture Frame Attachment Without Intermediate Fastening Does Not Meet FM Global LPDS 1-29 Requirements

Date: 09/11/2012

No: TAB-C 2012-12

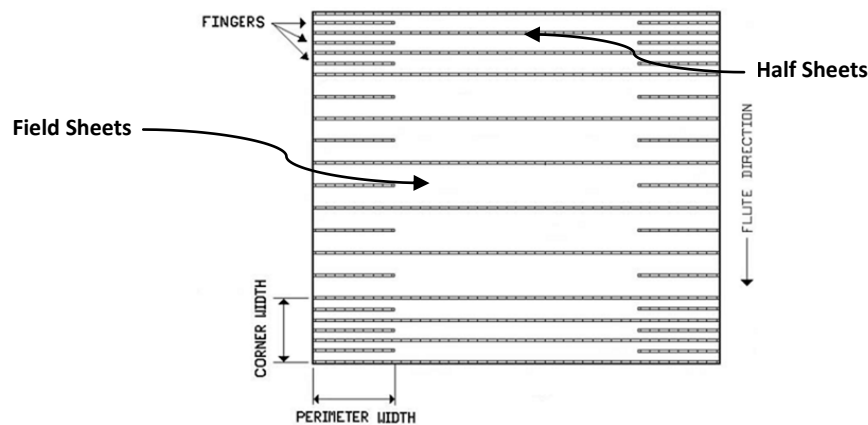
What Do I Need To Know?

Single-ply picture framing alone is **NOT** an acceptable attachment method on mechanically attached systems in Factory Mutual Global Lost Prevention Data Sheets (LPDS) 1-29.

- Intermediate fastening is needed to meet FM Global LPDS 1-29 requirements. Only the most recent version of the 1-29 LPDS is acceptable.
- "Picture Framing" refers the installation of half-sheets around the perimeter area of a single-ply roofing system. For a graphic illustration of this installation technique, refer to GAF's Perimeter Half Sheet Table and diagram.
- Generally, FM Global requirements must be met for their insured projects and any deviation from those requirements must be acceptable to their field engineering staff.
- FM Global has its own wind uplift calculator. Only FM Global calculations and application of their LPDS can be used on their insured projects.
- Requirements for other system performance criteria, such as E108 fire classification, must be found in an approved FM Approvals system assembly.

How Can This Affect My Roof?

FM Global Method For Fastening Enhancement



Ensure the distance between rows of roof cover fasteners or batten bars are the following maximum percentages of the FM Approved spacing:

Roof Perimeter

- Distance between rows is $\leq 60\%$ of the FM Approved roof field spacing, or **one row** of intermediate fasteners (fingers) is provided in between.

Roof Corners

- Distance between rows is $\leq 40\%$ of the FM Approved roof field spacing, or **two rows** of intermediate fasteners (fingers) are provided in between.

Side Laps

- Intermediate rows of fasteners (fingers) may be installed through the sheet with a **cover strip** or an **additional membrane ply applied over the fasteners**, in accordance with GAF's requirements.

What Else Do I Need To Know?

- It is the responsibility of the contractor to contact FM engineers directly for questions or issues.
- The contractor can also consult GAF's **Roof NAV library** for a list of approved assemblies.
- Refer to **LPDS 1-29** for the full list of FM Global requirements for securement of roof decks and above roof components.

Where Can I Get More Information?

GAF Technical Services can assist you... with these and other questions you may have regarding your new roof installation. GAF Technical Services can be contacted at **800-ROOF-411** (800-766-3411). Also, the GAF website is a great resource for just about any question you may have or for additional information you may require. Please visit: www.gaf.com.