

General Conditions For Use

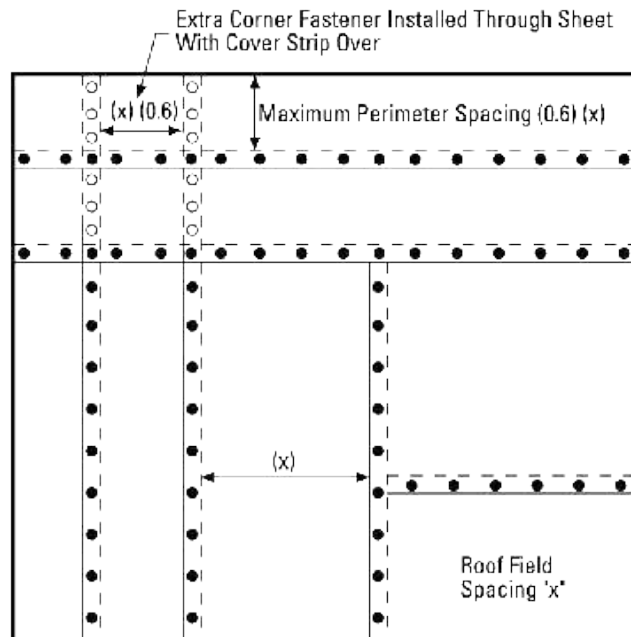
UltraGard TPO Roofing Systems Fastening Patterns are used to estimate jobs which conform to the following criteria:

1. All FM approved deck types
2. Plywood decks, 1/2" (15 mm) thick or greater
3. Concrete decks, (3,000 psi [20,685 kPa]) or greater
4. Buildings having a maximum height of 100' (30.5 m)
5. Buildings in wind zones up to and including 90 mph (145 km/h)
6. Buildings having exposures "A", "B" and "C". All "D" exposure buildings **must** be calculated and approved by the JM Technical Services Department.

Factory Mutual Loss Prevention Data Sheet 1-29

When jobs are specified to meet FMRC requirements, the requirements to calculate perimeters areas are:

1. 40% the height or 10% of the lesser plan dimension, whichever is less.
2. Only perimeter rolls may be used for these perimeters.



Corner Areas

All corners shall be the intersections of the perimeter areas. The perimeter rolls should be "picture-framed" and the perimeter rolls should be fastened all the way into the corner. The other perimeter sheets are fastened all the way into the corner area and overlay the previously fastened perimeter sheets to produce a corner area that is fastened at twice the density of the perimeter area.

Fastening Patterns

Steel Deck 22 gauge (0.76 mm) Grade E minimum, High Load Fastener and Plate 12" (300 mm) o.c. for field area, perimeter area and corner areas.

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