

MATRIX SEISMIC GROUP CORP.

The Official Newsletter of Matrix Seismic Group Corp.



Photo: cdc.gov

Tornado

by Behruz Vahdani. President

An average of 1,000 tornadoes per year hit the United States. Most of these tornadoes occur in states, such as Texas, Oklahoma, Nebraska and Kansas.

Tornadoes can occur in many different shapes and sizes ranging from a few yards to over one mile in width. They can move slowly, appearing nearly stationary, to as fast as 60 mph. The size and shape of a tornado does not necessarily say anything about the tornado's strength or its capability to inflict damage. Since tornadoes can change intensity quickly, they should all be considered dangerous.

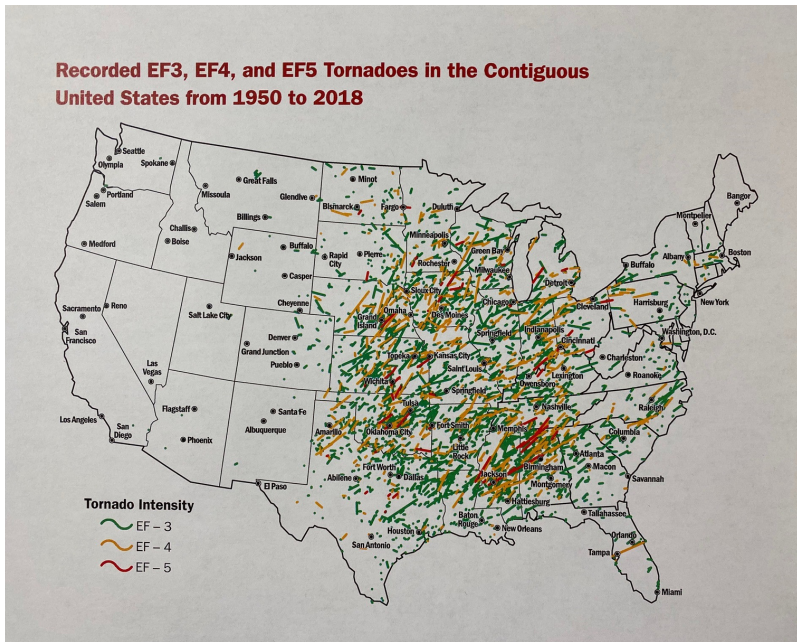
The Enhanced Fujita Scale or EF-Scale, is used to assign a tornado a "rating" based on estimated wind speeds and related damage. The EF categories are from 0 to 5 with 3 second gust velocity (mph) as follow:

HERE'S WHAT YOU SHOULD KNOW:

- Tornado
- Innovative Design Approach



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Innovative Design Approach

Matrix Marine, LLC can address all your concerns about different methods of design by utilizing a new design approach to strengthen your building.

The above picture represents the United States tornado occurrences with the intensity of EF-3, EF-4 & EF-5 between 1950 thru 2018 prepared by FEMA.

Matrix Seismic Group Corp. & Matrix Marine, LLC can evaluate the structural conditions of your Non-Ductile, UMB, Soft Story buildings in a timely manor .

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EF-0 (65-85), EF-1 (86-110), EF-2 (111-135), EF-3 (136-165), EF-4 (166-200) & EF-5 (Over 200 mph). Although no structure can be 100 percent tornado-proof, it is important to make sure homes and businesses can withstand as much wind as possible.

There is no completely safe place during a tornado, some locations are safer than others. Safe places include a storm cellar, a basement, or an inside room without windows on the lowest floor (such as a bathroom, closet, or center hallway).

Know the difference between a tornado watch and a tornado warning: Per CDC (Natural Disasters & Severe Weather), a tornado watch means that a tornado is possible (A tornado watch is issued when weather conditions favor the formation of tornadoes) and a tornado warning means that a tornado has been sighted or indicated by weather radar.

Signs that a tornado may be approaching include the following:

- Rotating funnel-shaped cloud
- Approaching cloud of debris
- Dark or green-colored sky
- Large, dark, low-lying cloud
- Large hail
- Loud roar that sounds like a freight train

If you notice any of these signs take cover immediately and stay tuned to local radio and TV stations, a NOAA weather radio, or the internet.