By Staff

Remove from supplement – Denied by the Commission

R301.2.1.2 Protection of openings. Exterior glazed openings in buildings located in windborne debris regions shall be protected from windborne debris. Glazed opening protection for windborne debris shall meet the requirements of the Large Missile Test of ASTM E1996 and ASTM E1886 as modified in Section 301.2.1.2.1, TAS 201, 202 and 203, or AAMA 506, as applicable. Garage door glazed opening protection for windborne debris shall meet the requirements of an approved impact-resisting standard or ANSI/DASMA 115.

1. Openings in sunrooms, balconies or enclosed porches constructed under existing roofs or decks are not required to be protected provided the spaces are separated from the building interior by a wall and all openings in the separating wall are protected in accordance with this section. Such space shall be permitted to be designed as either partially enclosed or enclosed structures.

2. Storage sheds that are not designed for human habitation and that have a floor area of 720 square feet (67 m^2) or less are not required to comply with the mandatory wind-borne debris impact standard of this code.

3. Buildings located more than 1 mile from the coastal mean high water line where the ultimate design wind speed, V_{ult}, is less than 140 mph (63.6 m/s) are permitted to be designed as partially enclosed in accordance with ASCE 7 in lieu of protecting exterior glazed openings from wind-borne debris~~.~~

Exception: (*no change*)

(Step 2 – S12128 D/A1 -2nd comment period)

Remove from supplement – Denied by the Commission

WIND-BORNE DEBRIS REGION. Areas within hurricane-prone regions located ~~in accordance with one of the following:~~ where the ultimate design wind speed, V_{ult}, is 130 mph (58 m/s) or greater.

~~1. Within 3,000 ft (0.94 km) of the mean high-water line where an Exposure D condition exists upwind at the waterline and the ultimate design wind speed, V_{ult}, is 130 mph (58 m/s) or greater; or~~

~~2. In areas where the ultimate design wind speed, V_{ult}, is 140 mph (63.6 m/s) or greater; or Hawaii.~~

(Step 2 – S12109 D/A1 – 2nd comment period)

Remove from supplement – Denied by the Commission

WIND-BORNE DEBRIS REGION. Areas within hurricane-prone regions located ~~in accordance with one of the following:~~ where the ultimate design wind speed, V_{ult}, is 130 mph (58 m/s) or greater.

~~1. Within 3,000 ft (0.94 km) of the mean high-water line where an Exposure D condition exists upwind at the waterline and the ultimate design wind speed, V_{ult}, is 130 mph (58 m/s) or greater; or~~

~~2. In areas where the ultimate design wind speed, V_{ult}, is 140 mph (63.6 m/s) or greater; or Hawaii.~~

(Step 2 – S12109 D/A1 – 2nd comment period)

Remove from supplement – Denied by the Commission

1609.1.2 Protection of openings. In wind-borne debris regions, glazed openings in buildings shall be impact resistant or protected with an impact-resistant covering meeting the requirements of ANSI/DASMA 115 (for garage doors and rolling doors) or TAS 201, 202 and 203, AAMA 506, ASTM E1996 and ASTM E1886 referenced herein, or an approved impact-resistant standard as follows:

1. Glazed openings located within 30 feet (9144 mm) of grade shall meet the requirements of the large missile test of ASTM E1996.

2. Glazed openings located more than 30 feet (9144 mm) above grade shall meet the provisions of the small missile test of ASTM E1996.

3. Storage sheds that are not designed for human habitation and that have a floor area of 720 square feet (67 m^2) or less are not required to comply with the mandatory windborne debris impact standards of this code.

4. Openings in sunrooms, balconies or enclosed porches constructed under existing roofs or decks are not required to be protected provided the spaces are separated from the building interior by a wall and all openings in the separating wall are protected in accordance with Section 1609.1.2 above. Such spaces shall be permitted to be designed as either partially enclosed or enclosed structures.

5. Buildings located more than 1 mile from the coastal mean high water line where the ultimate design wind speed, V_{ult}, is less than 140 mph (63.6 m/s) are permitted to be designed as partially enclosed in accordance with ASCE 7 in lieu of protecting exterior glazed openings from wind-borne debris.

Exception: (*no change*)

(Step 2 – S12109 D/A1 – 2nd comment period)