

ZHLA.44 - Windstorm-rated Assemblies

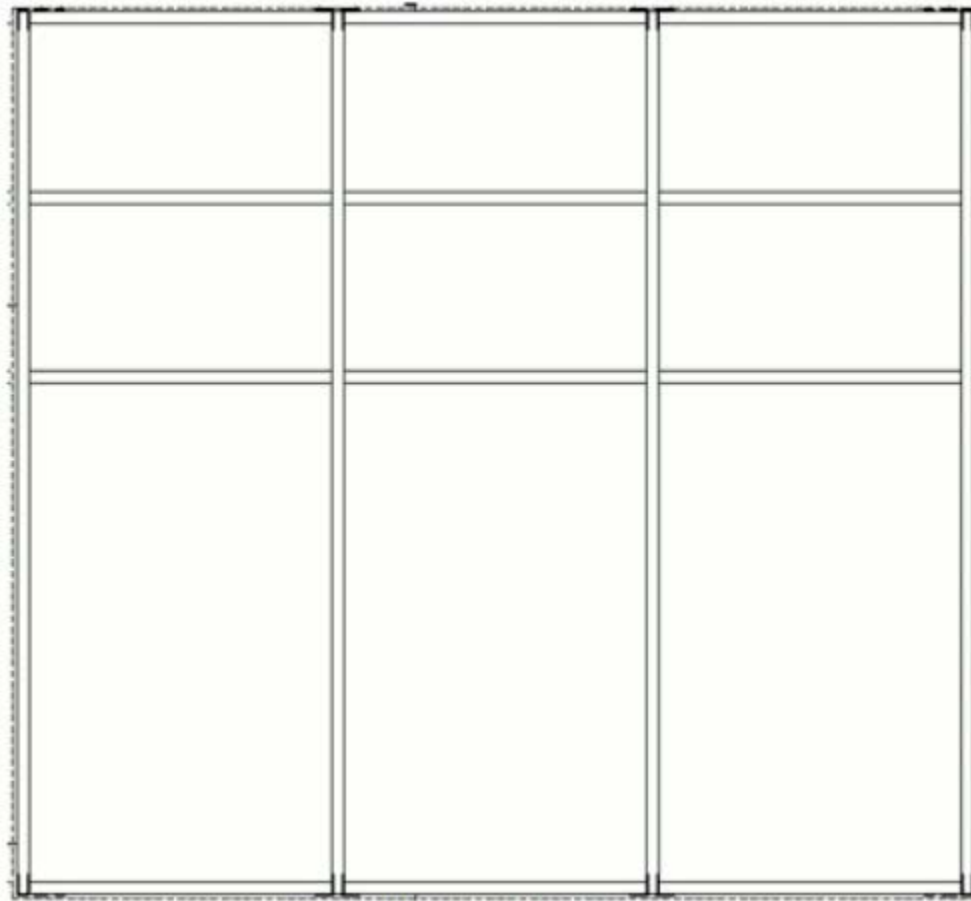
Windstorm-rated Assemblies

[See General Information for Windstorm-rated Assemblies](#)

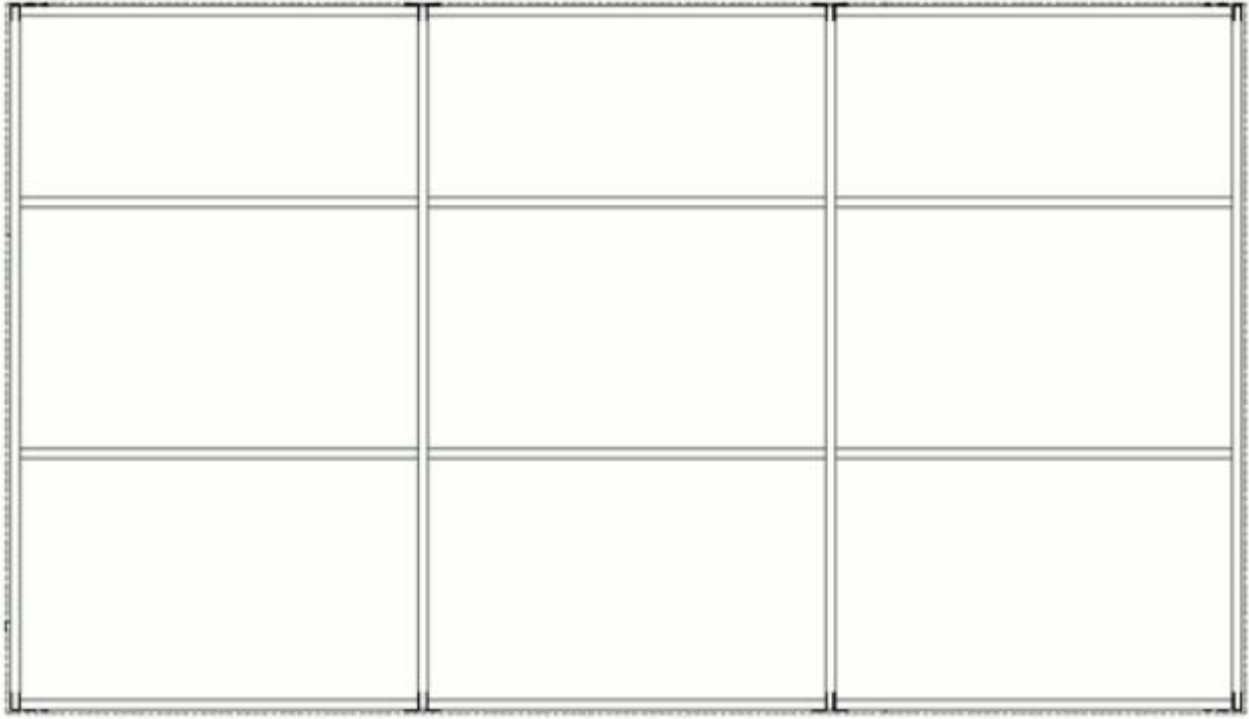
Assembly No. 44

October 12, 2020

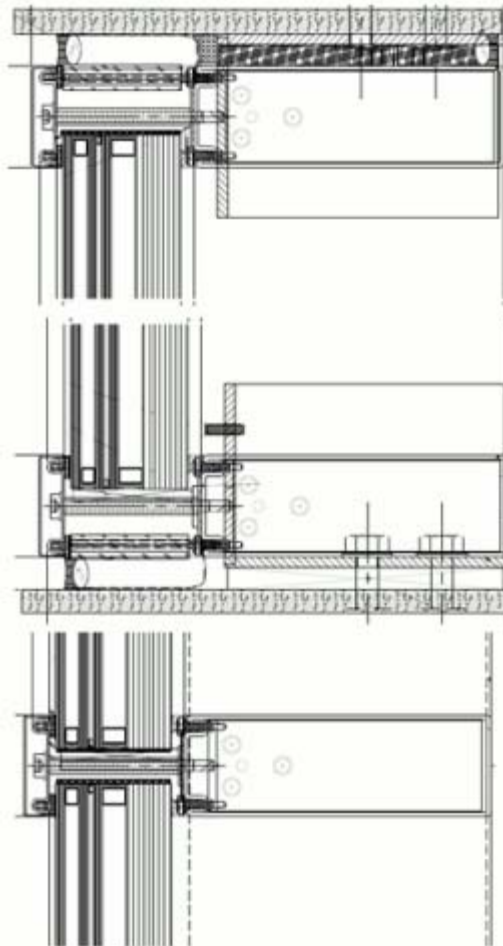
Assembly No. 44



Typical Vertical Orientation



Typical Horizontal Orientation



Assembly Type	Standard	Permitted Size	Design Pressure (psf)	Missile Criteria
Curtain Wall, Fixed	ASTM E1886, ASTM E1996, TAS 201	171-1/2 in	+/- 110 psf	Large Missile Impact-Level D
	ASTM E330, TAS 202, TAS 203		+/- 110 psf	

1. **Framing Members for Windstorm Rated Assembly*** — Nom 2-3/8 in. (60 mm) wide by nom 7-1/8 in. (181 mm) depth steel framing members with lengths cut according to wall configuration and glazing size. Secured to adjoining structure with 1/4 in. (6 mm) steel anchor plates which slip fit into the framing at the top and bottom of each vertical member. Maximum length of vertical mullion shall be 171-1/2 in. (4356 mm). Installation of frames and anchor plates (supplied with framing members) to be made in accordance with the manufacturer installation instructions for the curtain wall. Assembly contains multiple glazed openings per Item 2.

TECHNICAL GLASS PRODUCTS ([View Classification](#)) — Fireframes® Curtainwall HI Assembly

2. **Glazing Material for Windstorm Rated Assembly*** — 2-11/16 in. (69 mm) or 3-1/4 in. (83 mm) thickness laminated glass supplied in various sizes. Max exposed area per panel not to exceed 5604 in.² (3.62 m²) with max exposed dimension of 96 in. (244 cm). Glazing supplied with 2.25 mm thick self-adhesive intumescent tape (not shown) which is used to line the perimeter of the glass; width of tape to be same width as the glazing material. Glass is set on two setting blocks with the framing members at bottom of each opening.

TECHNICAL GLASS PRODUCTS ([View Classification](#)) — Pyrostop 60-260 (TI) HR Triple, Pyrostop 60-360 (TI) HR Triple, Pyrostop 120-260 (TI) HR Triple, and Pyrostop 120-360 (TI) HR Triple.

PILKINGTON DEUTSCHLAND AG ([View Classification](#)) — Pyrostop 60-260 (TI) HR Triple, Pyrostop 60-360 (TI) HR Triple, Pyrostop 120-260 (TI) HR Triple, and Pyrostop 120-360 (TI) HR Triple.

3. **Stainless Steel Pressure Plates** — Supplied with the steel framing members. Nom 2-1/4 in. (57 mm) wide with a nom depth of 11/16 in. (17 mm) with lengths cut according to glazing size. Secured to the framing members with steel pan head locking screws (Item 4).

4. **Pressure Plate Screws** — Supplied with the steel framing members. Nominal 1/4 in-20 by 4 in. (101 mm) steel pan head locking screws of for Pilkington Pyrostop 60 glass or 3.75 in. (95 mm) for Pilkington Pyrostop 90 and 120 glass. Screws to be located max 6 in. (152 mm) from each end of the steel framing member and max 6 in. (152 mm) OC.

5. **Facing Profiles** — Supplied with the steel framing members. Nom 2-3/8 in. (60 mm) wide with lengths cut according to glazing size. The aluminum facing profiles (cover caps) snap over the pressure plates (Item 3) with no mechanical fastening required.

6. **Gaskets** — Supplied with the steel framing members. Nom 2-5/16 in. (60 mm) wide by nom 5/16 in. (8 mm) thick silicone weather stripping applied to the steel framing members and the pressure plates to cushion and seal the glazing material when installed.

7. **Spacers** — Hardwood spacer blocks nom 3/4 in. (19 mm) by thickness of glass with or without stainless or galvanized steel cladding, and bushings nom 7/16 in. (11 mm) diameter by thickness of glass, supplied with the steel framing members.

8. **Wall** — Not Shown. Adjoining wood stud, steel stud or masonry wall or steel structure.

*Bearing the Certification Mark of UL

Last Updated on 2020-10-12

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