

BENDHEIM WALL SYSTEMS

Bendheim Wall Systems H60 Unitized Horizontal Frame System

The BWS H60 system is designed and fully tested for installation in single fixed openings. It may be built on site or, for unitized construction, pre-fabricated in the controlled environment of the glazier's shop. Unitized construction offers the benefits of improved quality control and speed of construction. Pre-assembly in the shop and site installation of multiple units increase the project pace and shorten building schedules.

The BWS H60 system frames are designed to accommodate the heavier, 60mm flange LINIT U-Profile glass channels. The jambs support the weight of the fabricated unit and function as the hoisting elements. The glass channels are independently supported within the jamb, preventing any transfer of weight from one piece to the next. The frame is fully thermally broken, offering the best protection from exterior to interior temperature transfer.

The system accepts all standard widths of LINIT U-Profile glass in tempered or annealed form. The horizontal glass design allows significant cost savings through selective placement of annealed and tempered channels. Typical building codes require tempered safety glass for the first 18" off the floor. The BWS H60 system meets code employing tempered glass in the lower rows of the unit and allowing the balance of the glass to be less expensive annealed glass.

Head and sill extrusions are shipped in standard 14' lengths. Jambs are in standard 16' lengths. We offer two standard finishes – Kynar Arcadia Silver and Kynar Dark Bronze. Longer lengths and custom colors are available on request.

The BWS H60 System has passed extensive testing for performance in accordance with ANSI, ASTM, and AAMA standards. Structural tests conducted on an 8' wide by 15' high unit are as follows:

Static air infiltration: ASTM E283 – results: .01 cfm @ 6.24 psf
Structural deflection (frame): ASTM E330 – results: < L/300 @ 30 psf
Static water infiltration: ASTM E331 – results: no leakage @ 15 psf
Dynamic pressure water infiltration: AAMA 501.1 – results: no leakage @ 15 psf
Seismic Racking: AAMA 501.4 – results: category III performance @ +/- 3.00" displacement from 0.
Thermal Test: AAMA 1503-98 – results: U-value = .57, CFR = 62
Acoustical Testing: ASTM E90, E413, & E1332 – results: STC = 41, OITC = 32

Tempered LINIT U-Profile Glass is SGCC certified having passed the following tests:

Impact: ANSI Z97.1 & CFR 16, part 1201 category II
Compression: ASTM C1048 – results: 10,000 psi surface compression

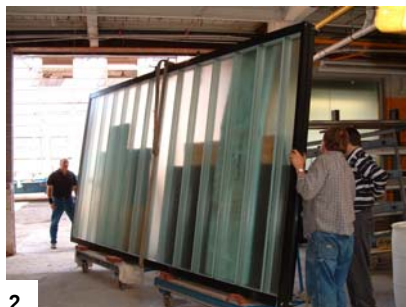
For more information, contact Bendheim Wall Systems or your local representative:

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Photo 1: Shop assembly of units.

Photo 2: Assembled units moved to staging area.

Photo 3: Assembled units trucked to project site.

Photo 4: Below left: Strapped, ready for hoisting.

Photo 5: Below right: Mid-air hoist of assembled unit.

Photo 6: Right: Assembled unit aligned for insertion into punched opening.

Photo 7: Bottom left: Ground view, 135 feet up.

Photo 8: Bottom right: View of 5 of the 18 installed units.



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