

Product: SF 40 H-S-W, Operable All Glass Horizontal Sliding Partition

PART 1: GENERAL

1.01 Summary

A. Section includes:

Engineered horizontal sliding glass door system, including aluminum frame profiles, threshold, panels, sliding/stacking and locking hardware, glass and glazing; designed to provide an opening glass wall, with sizes and configurations as shown on drawings and specified herein, SUNFLEX SF 40 H-S-W, All Glass, Aluminum Framed Horizontal Sliding Wall System as supplied by SUNFLEX WALL SYSTEMS, LP.

1.02 References

A. American National Standards Institute (ANSI):

1. ANSI Z97.1, Safety Performance Specifications and Methods of Test for Safety Glazing Material Used In Buildings.
2. AAMA 2604, Voluntary Specifications, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.

B. Consumer Product Safety Commission (CPSC):

1. CPSC 16CFR-1201, Safety Standard for Architectural Glazing Materials.

1.03 Submittals

A. Detail Drawings:

Indicate dimensioning, position of stacked panels, configuration, swing panels, typical head jamb, side jambs and sill/floor details and glazing material.

B. Product Data:

Manufacturer's literature including and Owner's Manual with installation instructions.

C. Contract Closeout Submittal:

Submit Owner's Manual from manufacturer. Identify with project name, location and completion date, type and size of unit installed.

1.04 Quality Assurance

A. Manufacturer: Provide complete, precision built, engineered, pre-fitted unit by a single source manufacturer with at least 30 years' experience in providing folding/sliding door systems for large openings worldwide.

B. Installer Qualifications: Installer experienced in the installation of manufacturer's products or other similar products for large openings. Installer to provide reference list of at least 3 projects of similar scale and complexity successfully completed in the last 3 years.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Packing, Shipping

Materials will be packed, loaded, shipped in accordance with AAMA CW-10.

B. Storage, Handling

Deliver materials to job site unopened cartons or crates. Protect units from damage. Store material dry under cover, protected from weather and construction activities.

Product: SF 40 H-S-W, Operable All Glass Horizontal Sliding Partition

1.06 Warranty

A. Manufactures Warranty

Provide manufacturer's standard warranty against defects in materials and workmanship.

PART 2: PRODUCTS

2.01 Manufacturers/Suppliers

A. SUNFLEX Wall Systems LP

4120 Enterprise Ave., #120

Naples, FL 34104

Toll Free: (800) 606-0756

Fax: (239) 384-9061

Email: info@sunflexwall.com

Website: www.sunflexwall.com

2.02 Materials

A. Frame and Panels:

From manufacturer's standard profiles, provide head track, side jambs, and panels with dimensions shown on drawings.

1. Provide panels with:

Standard one lite

[OR partially applied frosted film(s) at specified height(s) from the bottom of the panel]

[OR with tinted or fully frosted glass as on drawings or specified herein].

2. Sill: Provide standard bottom rail.

3. Aluminum Extrusion: Alloy specified as AlMgSi0.5 with strength rated as 6063-T5 or F-22 (European standard). Anodized conforming to AAMA 611 or powder coated conforming to AAMA 2603.

4. Aluminum Finish: Manufacturers Standard color RAL 9016

[or RAL9006] [or RAL9007] [or RAL7016] [or Clear Anodized E6-EV1]

[or select from manufacturers range of RAL/NCS high or semi gloss or flat powder coat finishes available from manufacturer]

[or custom finish to match sample].

[or bi color (different finishes on inside and outside).]

B. Glass:

1. All glass to comply with safety glazing requirements of ANSI Z97.1 and CPSC 16CFR 1201. Provide manufacturer's standard glass with dry glazing:

[5/32" (8 mm) clear tempered]

[OR 3/8" (10 mm) clear tempered]

[OR 1/2" (12 mm) clear tempered]

[OR other glass available from manufacturer with one of these 3 thicknesses]

Product: SF 40 H-S-W, Operable All Glass Horizontal Sliding Partition

C. Locking Hardware and Handles:

1. Main entry panel:

On the main entry panel for models with a pair of swing panels, provide manufacturer's standard locking rod for upper locking mechanism and shoot bolt for lower locking point.

[OR Manufactures standard lock / handle set in silver]

[OR Manufactures standard lock / handle set in custom color]

Specifier's Note: Please check for egress requirements.

[Specifier's Note: This option is operable form inside only and not equipped with a latch

2. Keyed Alike:

If there are more than one unit, keyed alike [OR keyed differently].

D. Integrated Door in Sliding Panel Hardware:

1. Provide manufacturers standard hardware with top, bottom tracks and sill. All running carriages to be double horizontal bearing rollers. Surface mounted hinges and/or running carriages as well as hinge connected running carriages will not be allowed.
2. Provide Running carriage to be adjustable in height by at least +/- 1/4".
3. Panels to be miter joint. Butt joints or visible corner blocks are not allowed.

E. Other Components:

1. Weather stripping:

Provide manufacturer's standard brush seals with a two layer polyamide fin at both the inner and outer edge of door panels between panel and track/floor.

2.03 FABRICATION

- A. Panel Glass connection to be dry glazed and mechanically secured. Silicone or clamps are not allowed.
- B. Sizes and Configurations: See drawings for selected custom dimensions within maximum frame sizes possible as indicated in manufacturer's literature. See drawings for selected number of panels and configuration. Inward [OR outward] opening unit. On configurations with a pair of swing panels, looking from inside, primary swing panel on the left [OR right]
- C. Provide other side lites, transoms, corner posts, or single or double doors as per drawings provided.

PART 3 - EXECUTION

3.01 ERECTION

- A. Because of the large dimensions involved and the weight and movement of the panels, verify the structural integrity of the header such that the deflection with live load and dead loads is limited to the lesser of L/720 of the span and 1/4". Structural support for lateral loads (both wind load and eccentric load when the panels are stacked open) must be provided.
- B. Examine surfaces of openings and verify dimensions; verify rough openings are level, plumb, and square with no unevenness, bowing, or bumps on the floor.

Product: SF 40 H-S-W, Operable All Glass Horizontal Sliding Partition

- C. Installation of units constitutes acceptance of existing conditions.

3.02 INSTALLATION

- A. Install frame in accordance with manufacturer's recommendations and installation instructions. Properly flash and waterproof around the perimeter of the opening.
- B. Installer to provide appropriate anchorage devices and to securely and rigidly fit frame in place, absolutely level, straight, plumb and square. Install frame in proper elevation, plane and location, and in proper alignment with other work.
- C. If necessary, provide drain connections from lower track.
- D. Install panels, handles and lock set in accordance with manufacturer's recommendations and installation instructions.
- E. If necessary, adjust hardware for proper operation.

END OF SECTION

DISCLAIMER: SUNFLEX-Wall-Systems LP takes no responsibility for product selection or application, including, but not limited to, compliance with building codes, safety codes, laws, or fitness for a particular purpose. The guide specifications is not intended to be verbatim as a project specification without appropriate modifications for the specific use intended and the particular requirements of a specific construction project.