

Guide Specifications- Section 08400

The HSW 65 System, the Individual Panel Wood Framed Opening Glass Wall System

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes: Individual panel wood and glass door system, including aluminum head jamb, tracks, stacking bays and threshold, wood frame side jambs, sliding panels and swing panels, sliding/swinging and locking hardware, weather stripping, glass and glazing; designed to provide an opening glass wall or storefront, with sizes and configurations as shown on drawings and specified herein, with the HSW 65 System, the Individual Panel Wood Framed Opening Glass Wall System as supplied by NANA WALL SYSTEMS, INC..

1.02 SUBMITTALS

A. Shop Drawings: Indicate dimensioning, general construction, component joining, connections and locations, and hardware locations.

B. Product Data: Manufacturer's literature including Owner's Manual and test data listing performance criteria.

1.03 QUALITY ASSURANCE

A. Manufacturer: Provide complete, precision built, engineered, pre-fitted unit by a single manufacturer.

1.04 WARRANTY

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

B. Warranty Period: One year from date of manufacture.

PART 2 - PRODUCTS

2.01 SUPPLIER

A. NANA WALL SYSTEMS, INC.

707 Redwood Highway, Mill Valley, California 94941

Telephone: (415) 383-3148

(800) 873-5673

FAX: (415) 383-0312

website: www.nanawallsystems.com

email: info@nanawallsystems.com

2.02 MATERIALS

A. Head Jamb, Tracks, Stacking Bays, and Sill: From manufacturer's standard profiles, provide head jamb, tracks, stacking bays, and sill with dimensions shown on drawings. Provide clear anodized SL 5028 flush sill [**OR** no sill but provide locking points to be installed on finished floor].

1. Aluminum: Extrusions with nominal thickness of .098" (2.5mm). Alloy specified as AlMgSi 0.5 with strength rated as 6063-T5 or F-22 (European standard).
2. Aluminum head jamb with matching wood cover on both sides.
3. Finish: Anodized conforming to AAMA 604.2 or 607.1, clear E6 EV1.

B. Panels and Side Jambs: From manufacturer's standard profiles, provide panels and side jambs with dimensions shown on drawings or as needed for panel stability. Provide standard bottom rail width [**OR** as specified].

1. Wood: Solid, triple laminated, kiln dried, Western hemlock [**OR** meranti] [**OR** European pine] [**OR** Douglas Fir][**OR** other wood as selected] with matching solid wood glazing stops. Primed for paint [**OR** sand sealed for stain] [**OR** for interior applications factory finished as selected from range available of manufacturer.]

C. Glass: Provide manufacturer's standard glass and glazing, 15/16" insulating clear tempered [**OR** ¼" laminated] [**OR** ¼" tempered] [**OR** 15/16" insulating Low-E tempered] [**OR** 15/16" double laminated] [**OR** glass to be acquired and glazed separately in accordance with manufacturer's instruction. Exact glass dimensions to be provided by manufacturer. ASTM C 1048 Kind FT, select glazing quality float glass; fully **tempered** safety glass complying with applicable codes. Provide APTK or EPDM gaskets and extruded aluminum snap-in glazing bead for dry glazing per manufacturer's instructions. Stops to provide for total glass thickness of 24 mm (15/16") [**OR** 6 mm (¼")].

D. Locking Hardware and Handles: Provide manufacturer's standard flat handle and concealed two point locking hardware operated by 180 degree turn of handle on each sliding panel. Handle finish: dark brown, RAL 8077 [**OR** white, RAL 9016] [**OR** dark gray, RAL 7021] [**OR** white aluminum, RAL 9006]. Aluminum locking rods capped by Polyamide at bottom track. Provide handle height centered at 41 3/8" [**OR** as specified] from bottom of panel. For each swing panel, provide HEWI 550.33 ADA [**OR** as selected] nylon pull handles on both sides. On primary swing panel, provide separate YALE compatible lock set and dead bolt with nylon handles. Nylon handle finish to be closest match to flat handle color from available colors.

E. Sliding & Swinging Hardware: Provide manufacturer's standard hardware.

1. For each sliding panel, provide 2 two wheeled, toughened Polyamide covered stainless steel uni-directional sliding door carriers. Carrying capacity of each carrier to be 220 lbs.
2. For each swing panel, provide manufacturer's standard clear, E6 EV1 hinges.
3. Adjustment: Provide system capable of specified amount of adjustments without removing panels from tracks.

F. Other Components:

1. Weather stripping: Provide manufacturer's standard double layer APTK at both the inner and outer edge of door panels or on frame for vertical sealing between panels and between panels and frame. Provide brush seals with flexible plastic web for all horizontal sealing.
2. Provide machine screws for connecting frame components.

2.03 FABRICATION

A. Use frame, tracks, threshold, stacking bays, panel profiles, hinges, sliding/swinging hardware, locking hardware and handles, glass and glazing and weather stripping as specified herein to make an individual panel opening glass wall. Factory pre-assemble as is standard for manufacturer and ship with all components and installation instructions.

B. Sizes and Configurations: See drawings for selected number and size of panels, location of swing panels, and location of tracks and stacking bays.

2.04 ACCESSORIES

(Edit for project requirements.)

A. Provide matching side lites, transoms, corner posts, or single or double doors as per drawings provided.

B. Provide manufacturer's standard door closer/panic hardware on swing panels.

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 for the frame, track and stacking bays with the maximum deflection to be the lesser of $L/720$ of the span and $\frac{1}{4}$ ".

B. Examine surfaces of openings and verify dimensions; verify rough openings are level, plumb, and square, with no unevenness, bowing, or bumps on floor.

C. Installation of units constitutes acceptance of existing conditions.

3.02 INSTALLATION

A. Install frame by qualified installer in accordance with manufacturer's recommendations and installation instructions.

B. Installer to provide 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